

FIG. 1A

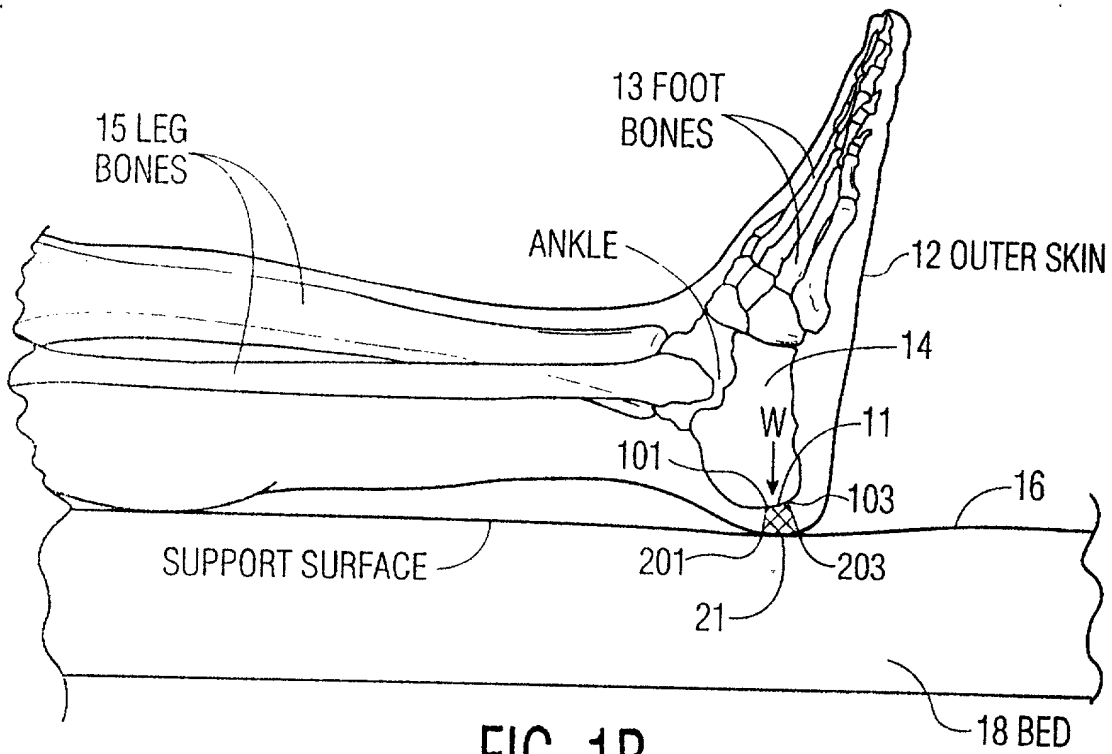


FIG. 1B

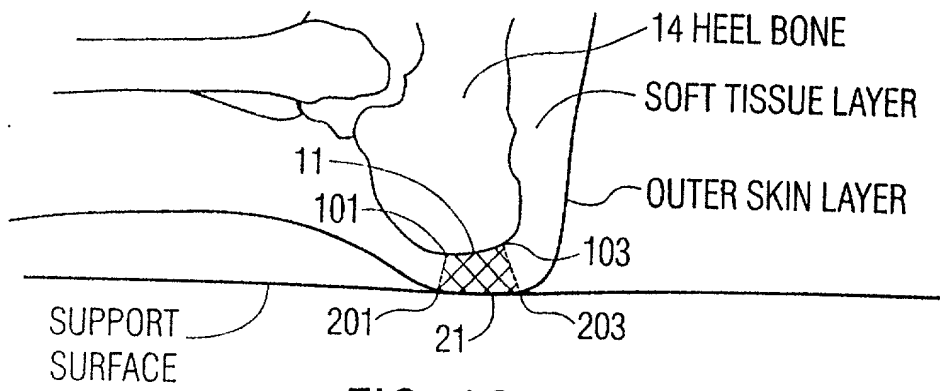


FIG. 1C

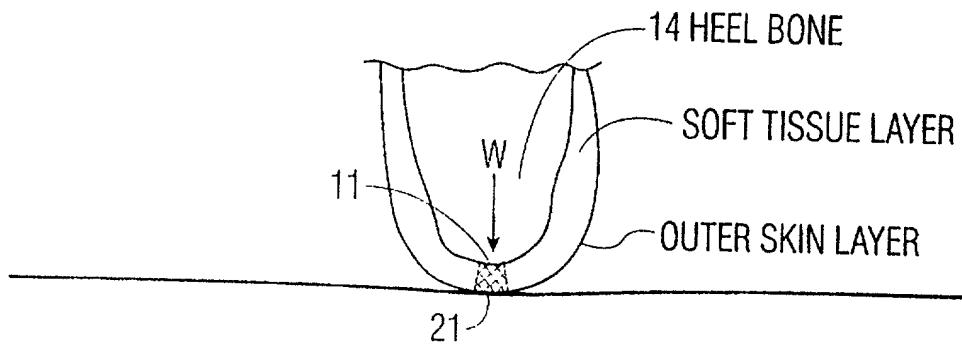


FIG. 1D

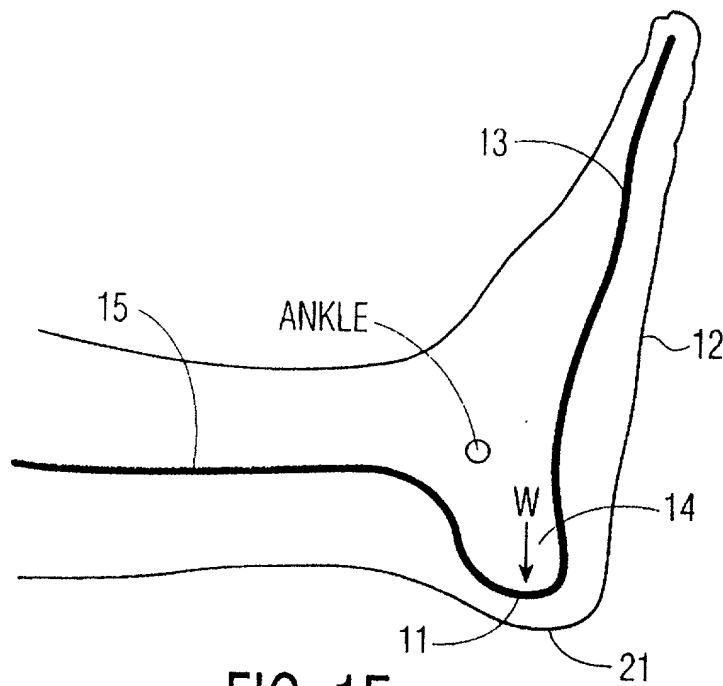


FIG. 1E

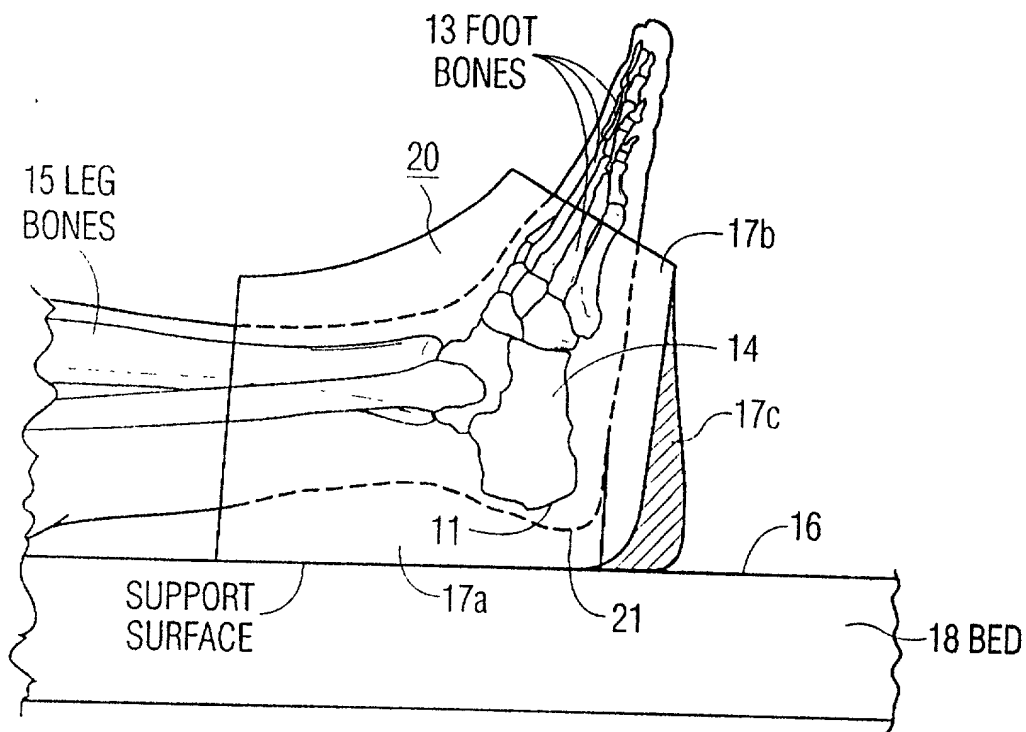


FIG. 2A

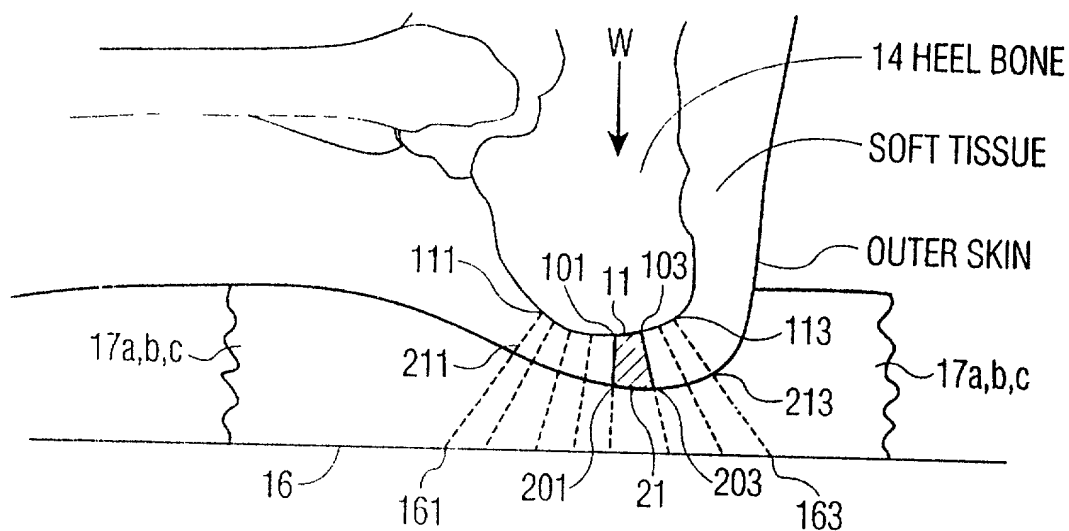


FIG. 2B

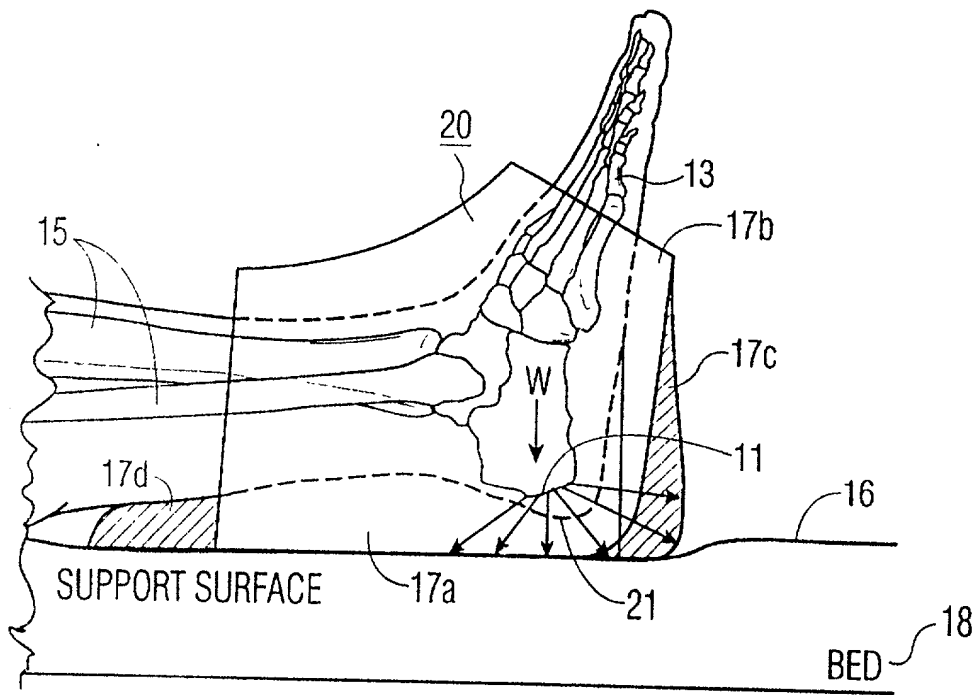


FIG. 3A

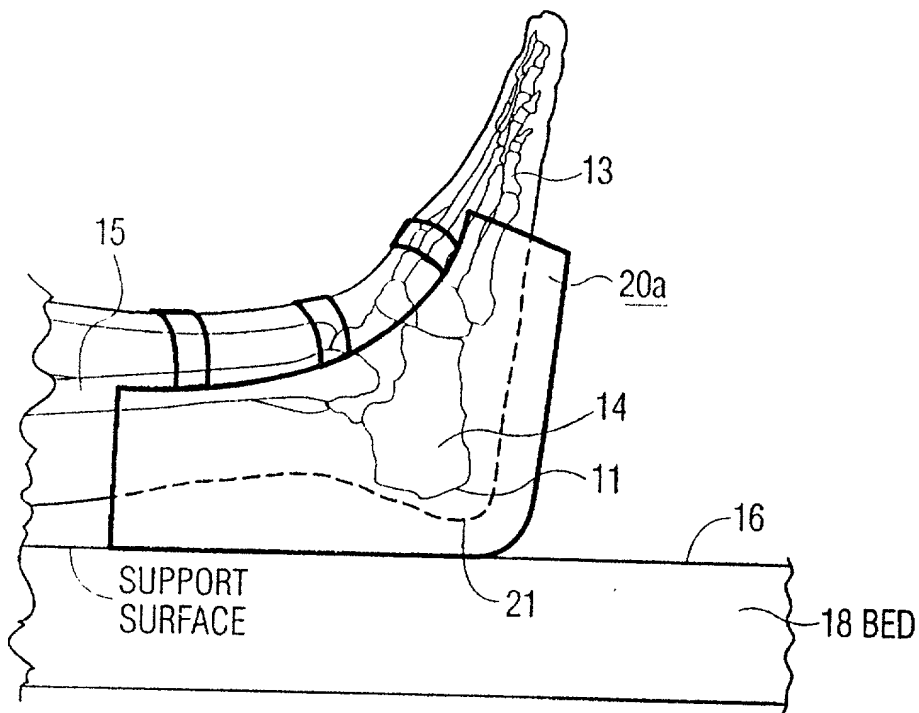


FIG. 4

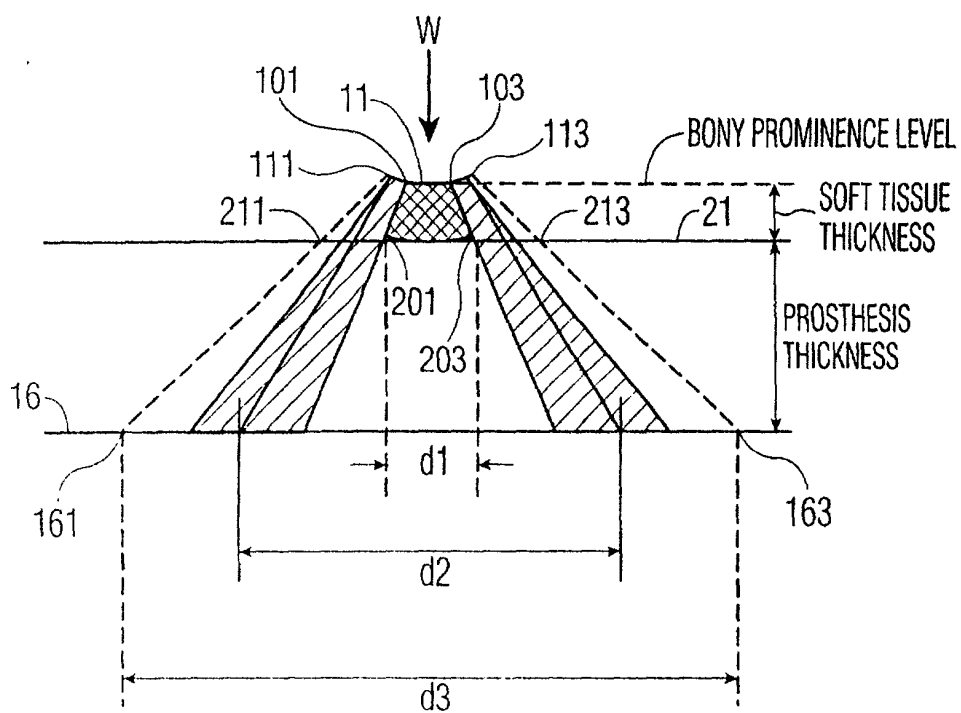


FIG. 3B

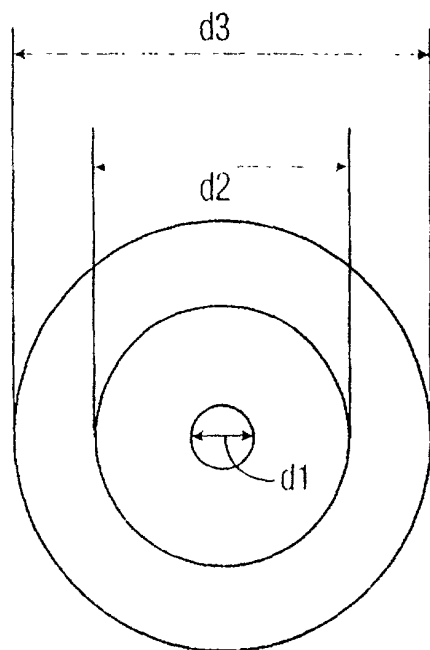


FIG. 3C

FIG. 5a

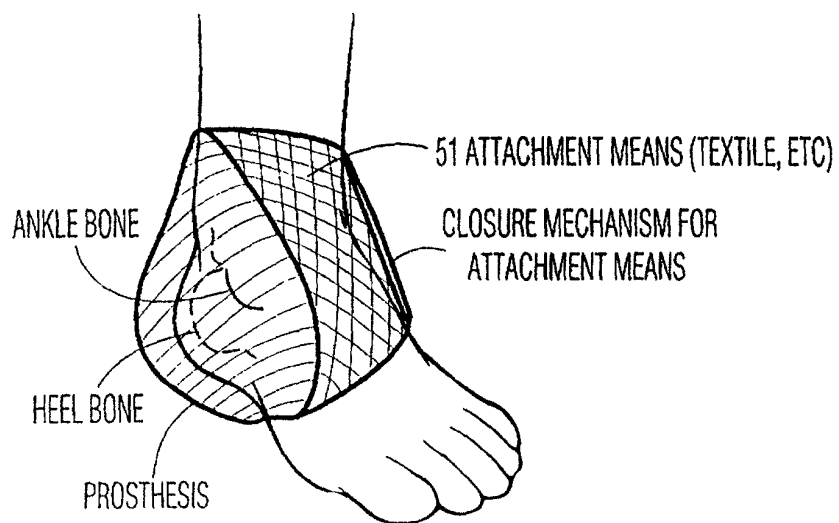


FIG. 5b

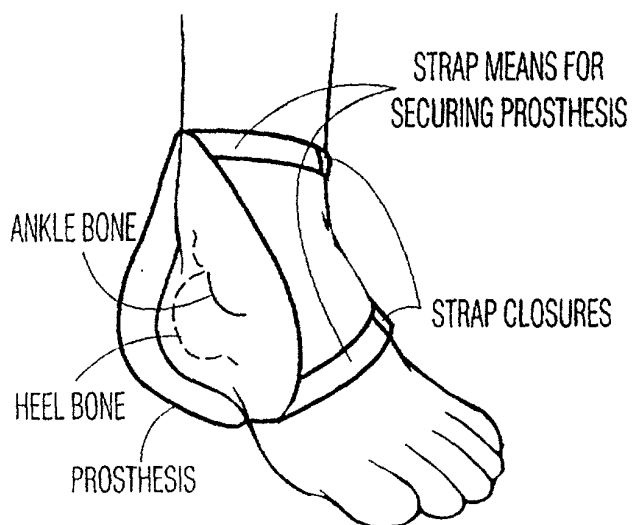
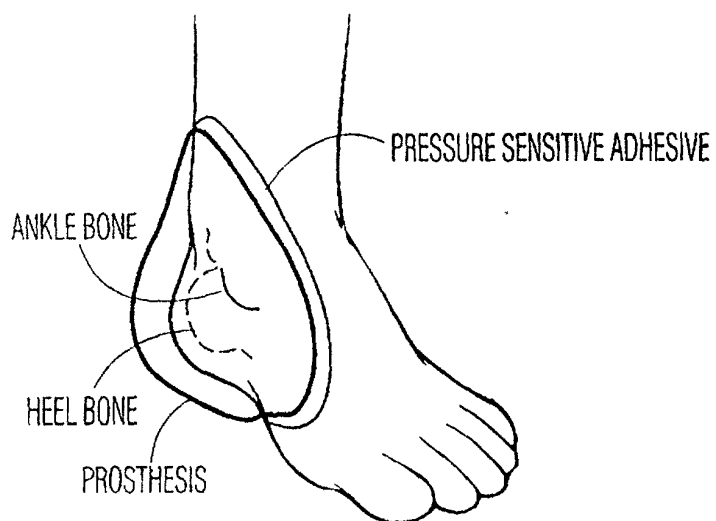


FIG. 5c



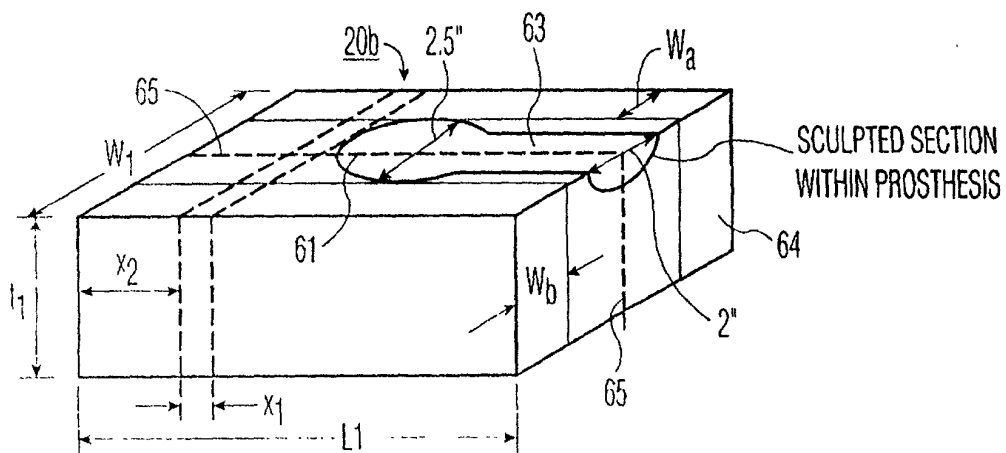


FIG. 6A

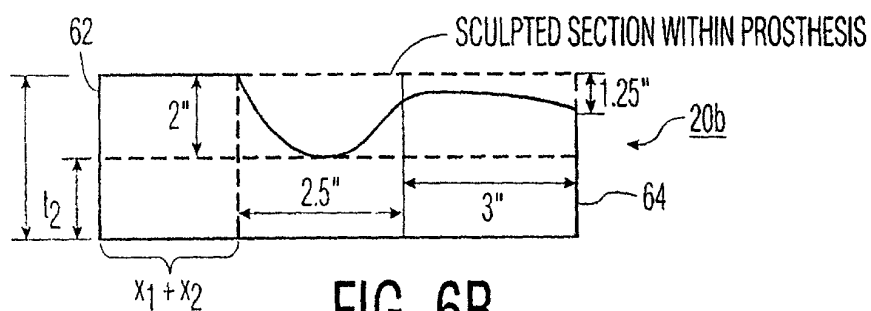


FIG. 6B

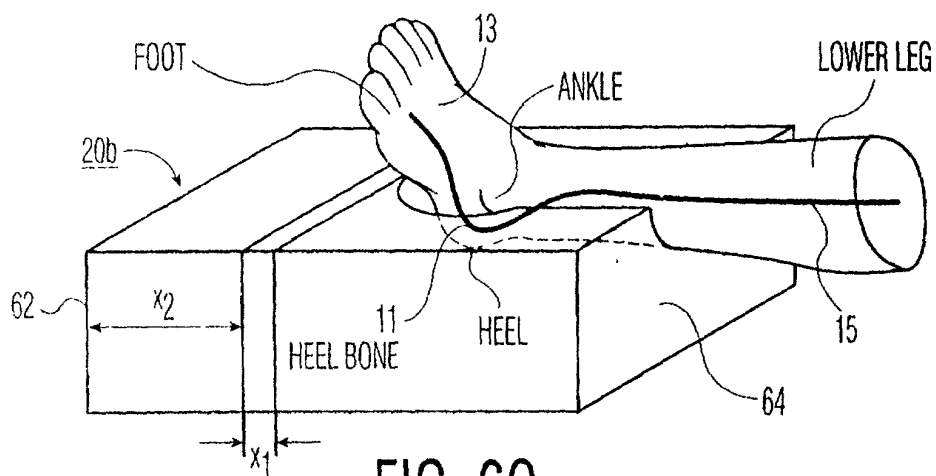


FIG. 6C

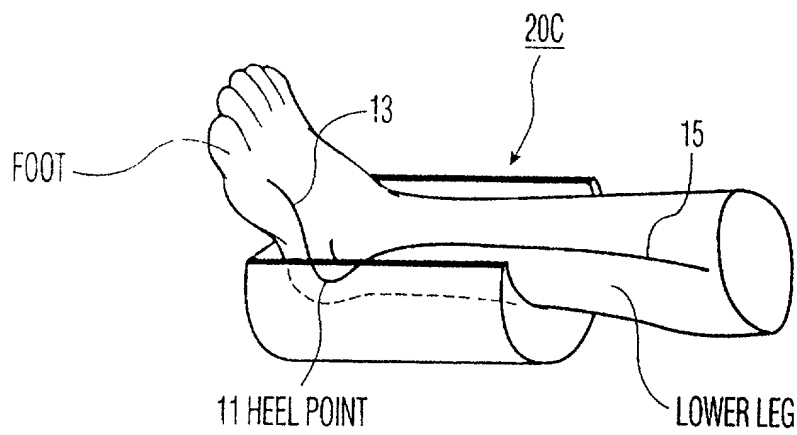


FIG. 6D

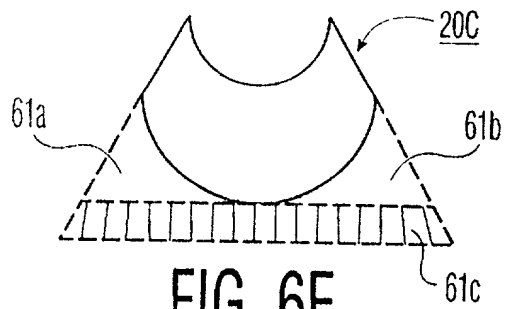


FIG. 6E

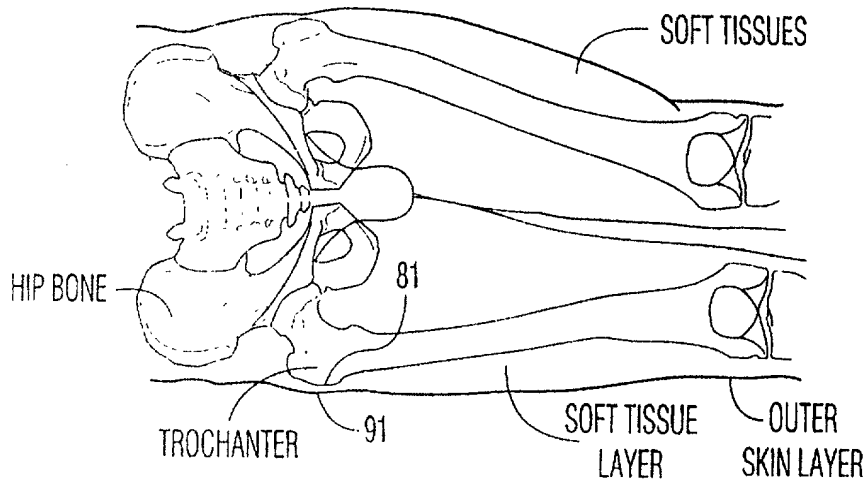


FIG. 7A

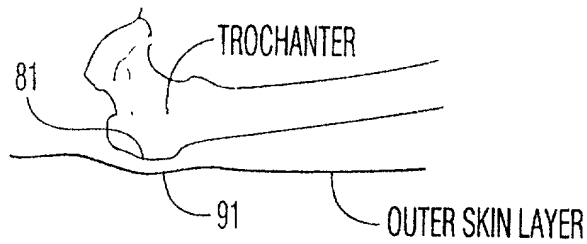


FIG. 7B

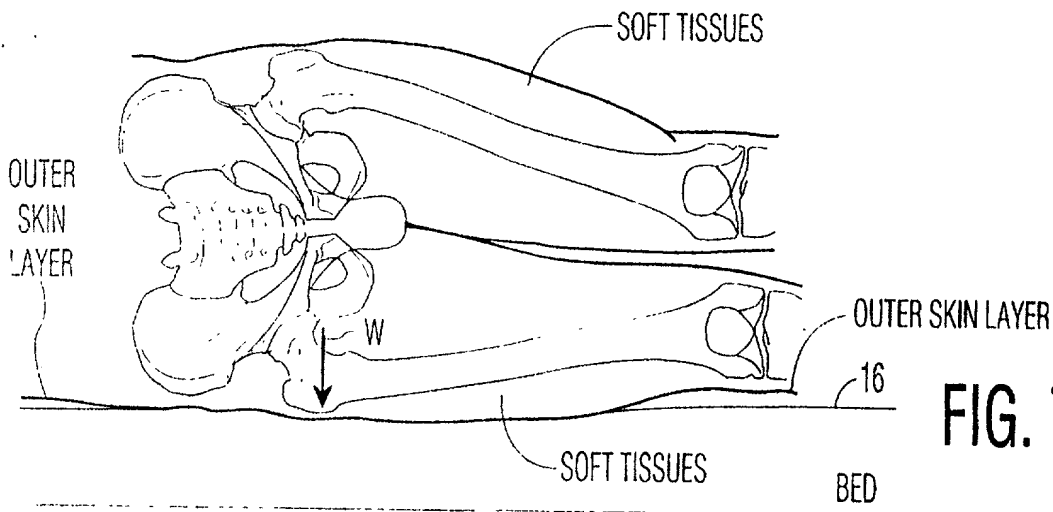


FIG. 7C

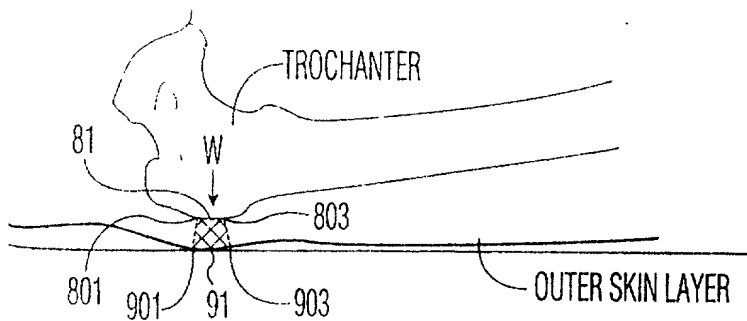


FIG. 7D

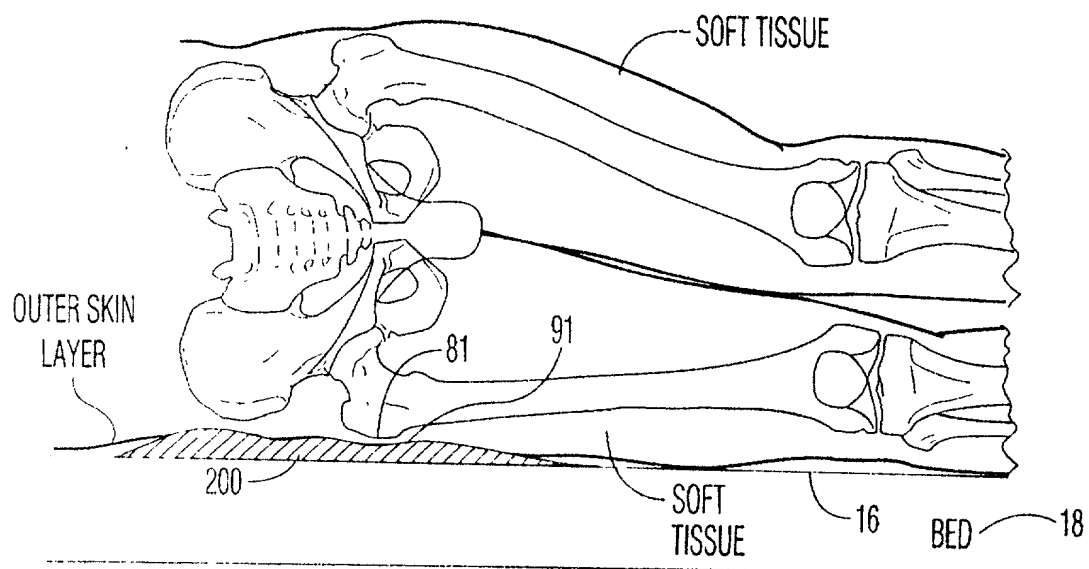


FIG. 7E

FIG. 7F

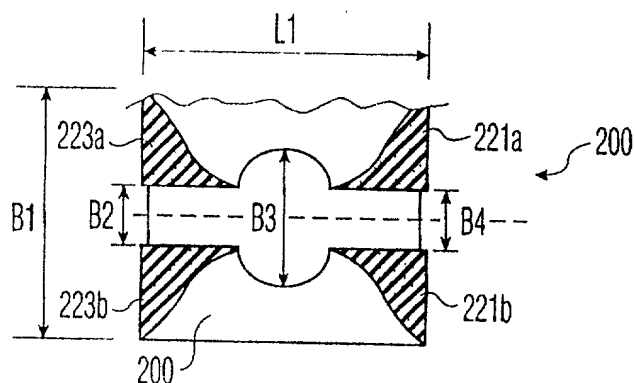


FIG. 7G

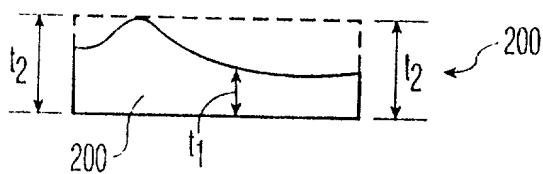
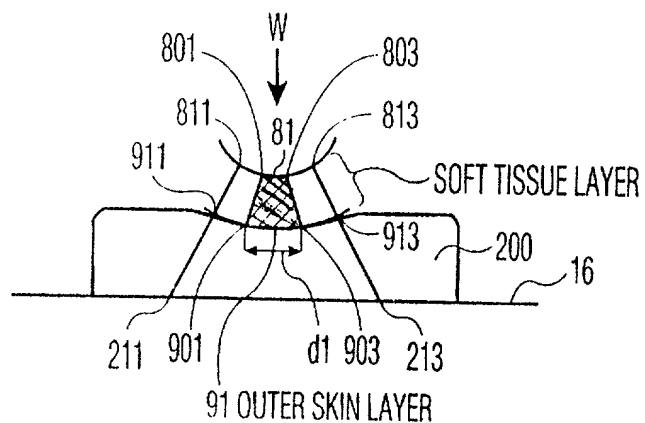
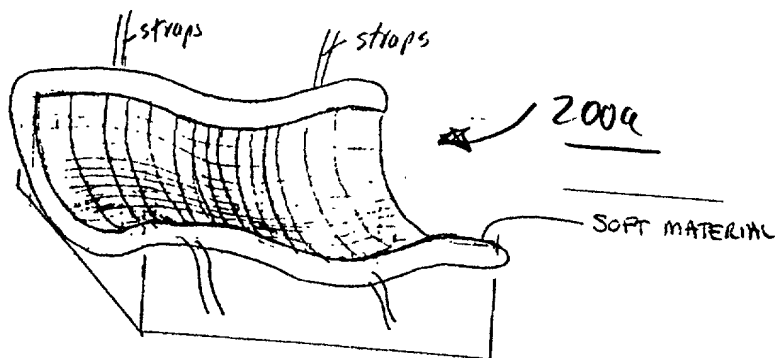


FIG. 7H



EG/HIP
AXIS



CONTOURED TO PATIENT'S HIP

FIG. 7L

TROCHANTER
SOFT PROSTHESIS

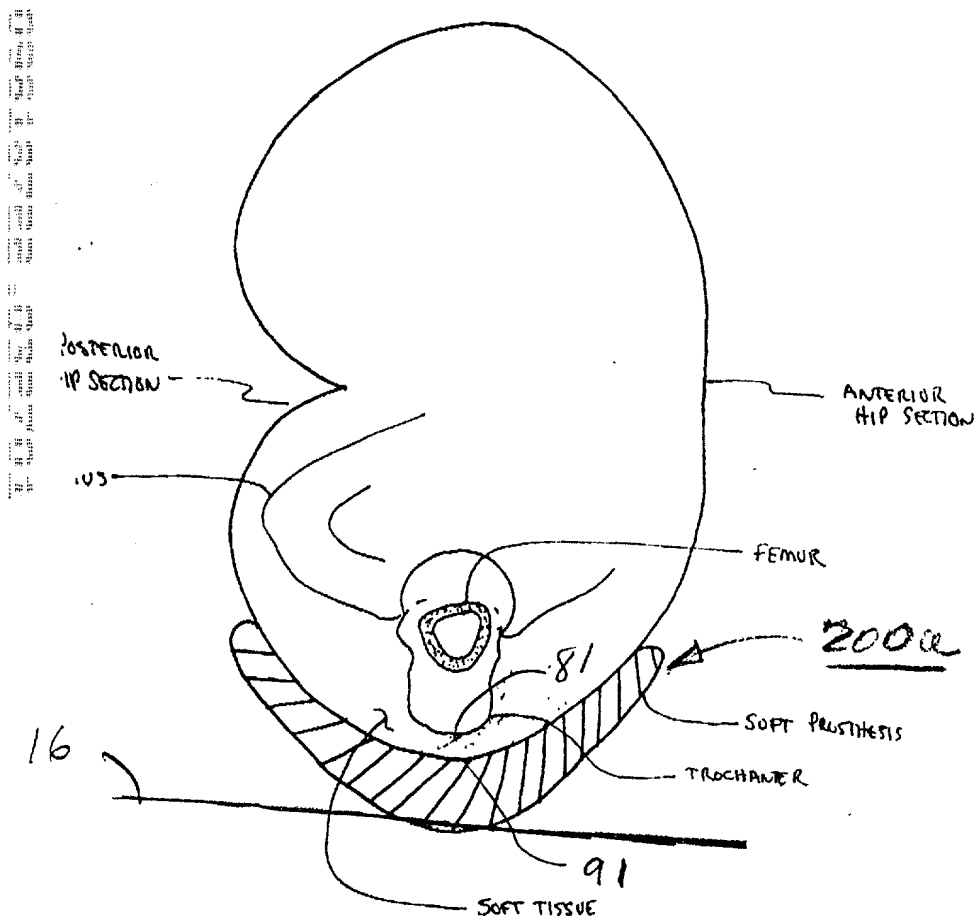


FIG. 7M

11. If it is found that the shape of the prosthetic device is not suitable for the patient, the shape of the prosthetic device may be modified.

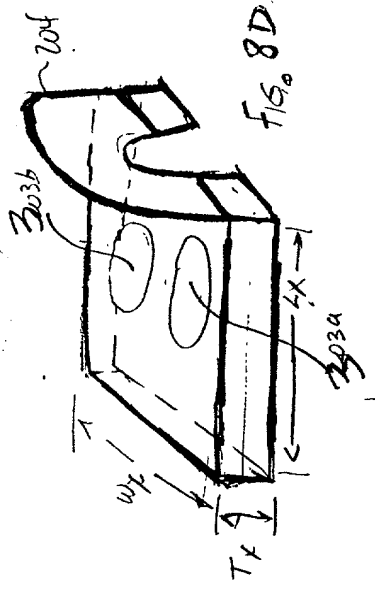
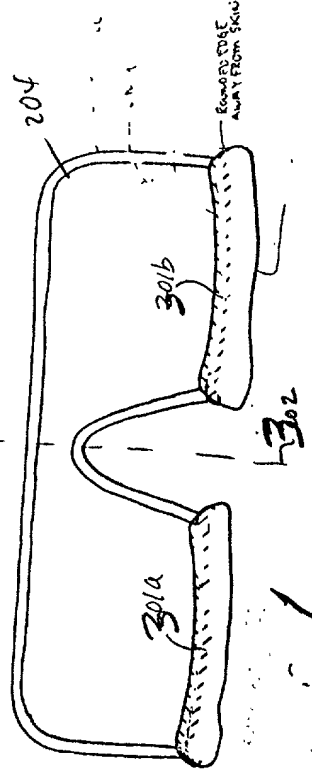


FIG. 8D



PROSTHESIS DETAIL
 ISCHIAL

FIG. 8C

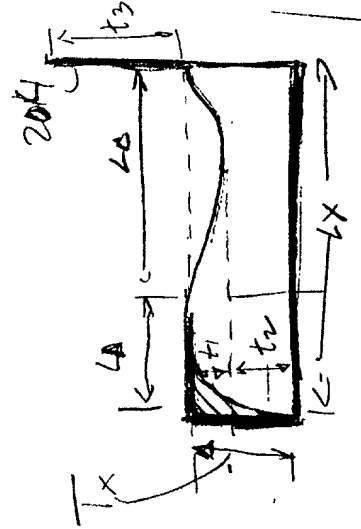


FIG. 8E

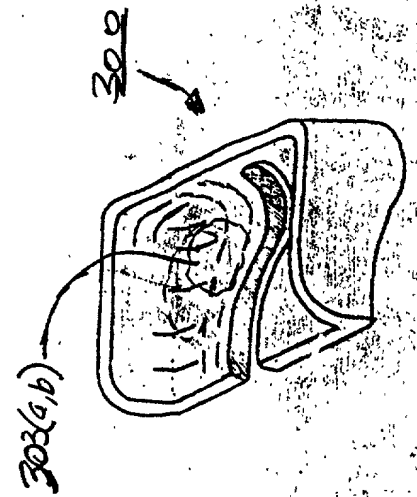


FIG. 8F

FIG. 9A is a schematic diagram of a prosthetic device 400 in a right lateral view. The device 400 is shown in a cross-sectional view, illustrating its internal structure and components. The device 400 is positioned within a body cavity, adjacent to the rectum 181 and the sigmoid colon 191. The device 400 is shown in a cross-sectional view, illustrating its internal structure and components. The device 400 is positioned within a body cavity, adjacent to the rectum 181 and the sigmoid colon 191.

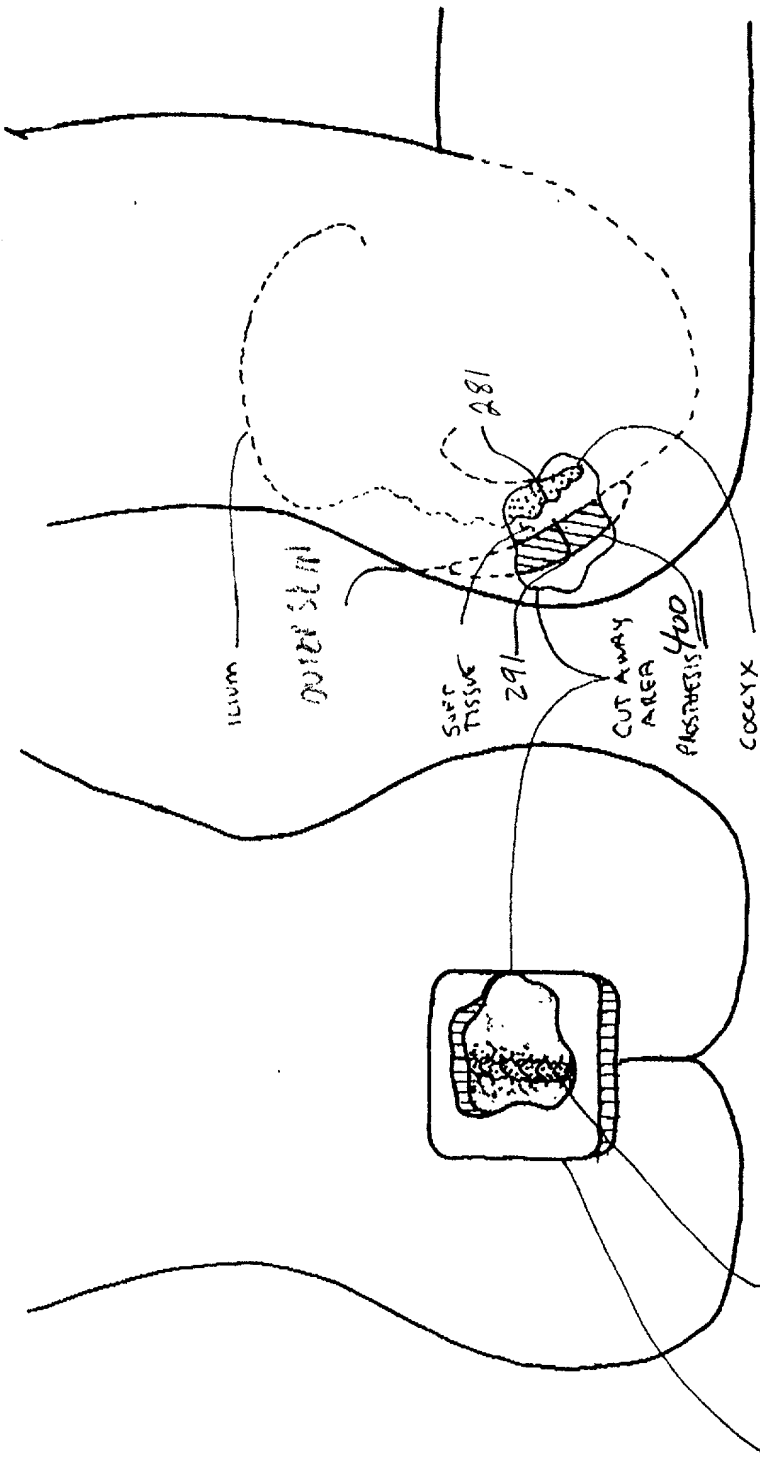


FIG 9A
RIGHT LATERAL VIEW

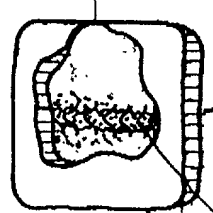


FIG 9B
POSTERIOR VIEW
(PROXIMAL PERSPECTIVE)

FIG. 9D

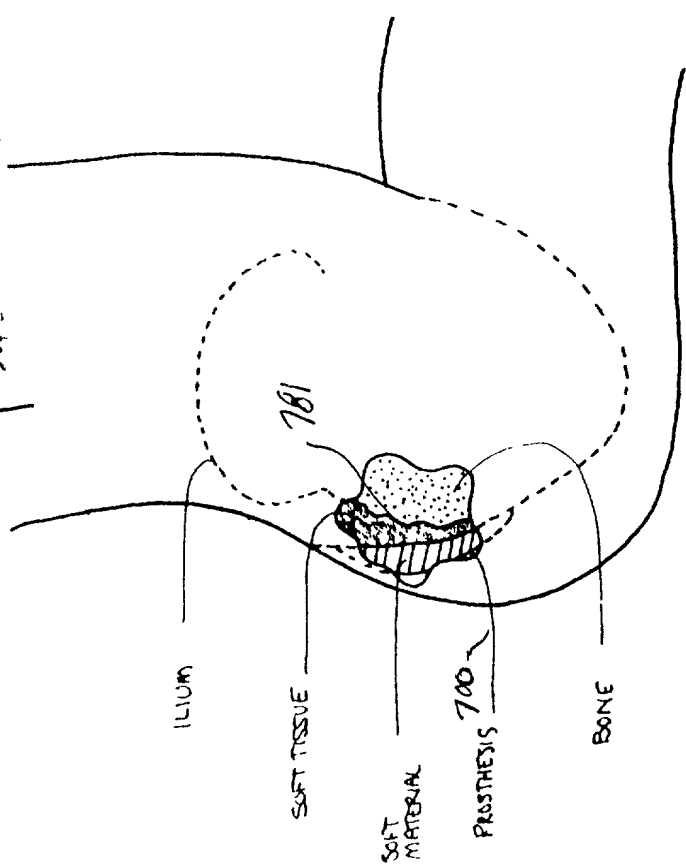
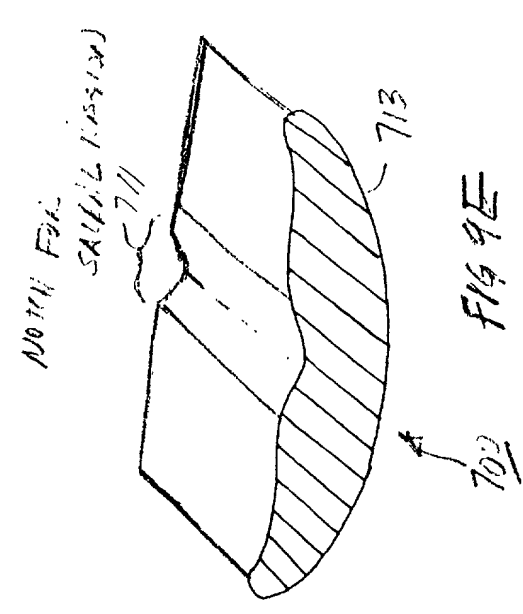
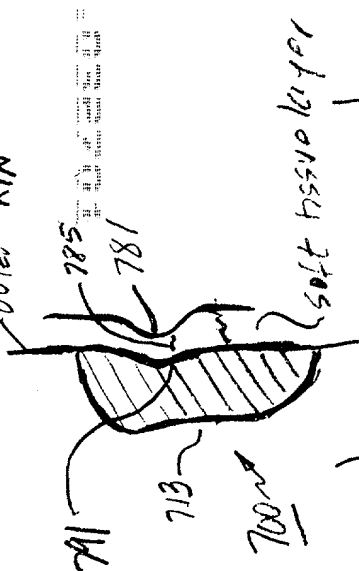


FIG. 9C

SACRUM
SOFT PROSTHESIS
CUT AWAY VIEW

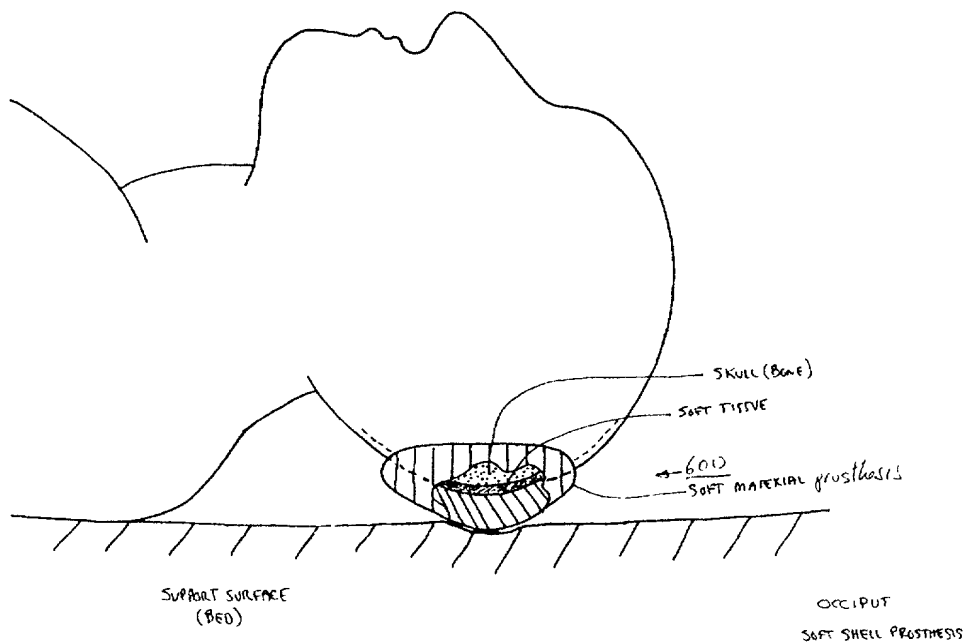


Fig. 11

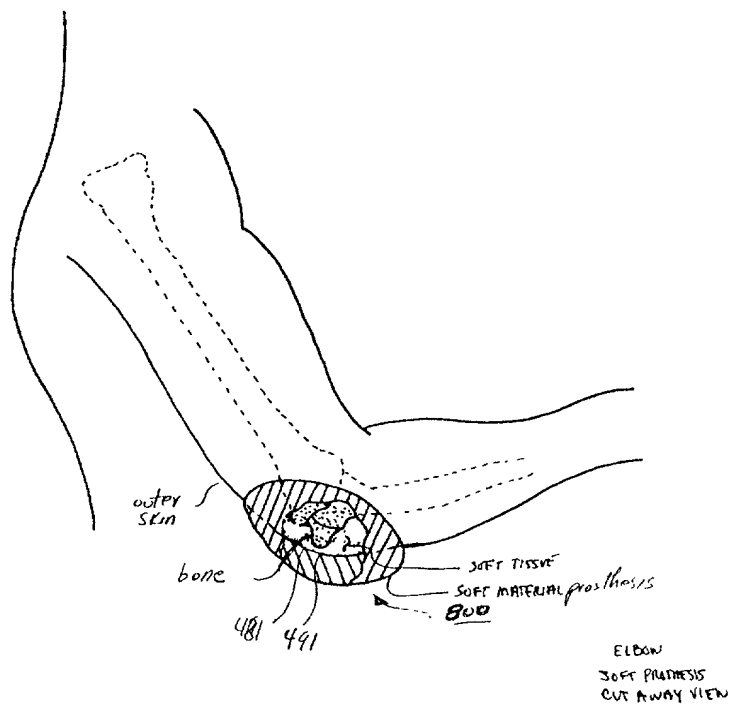


Fig. 12

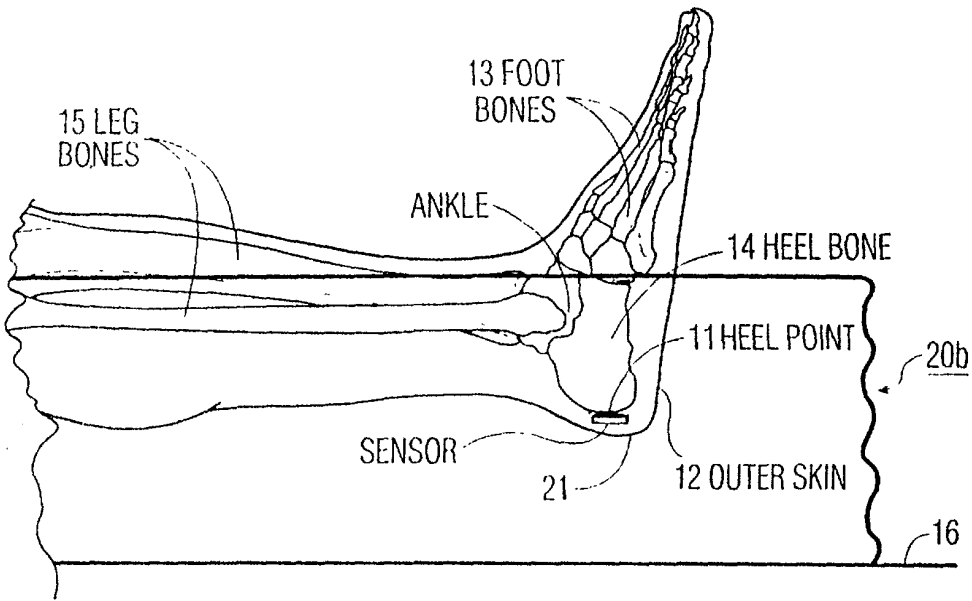


FIG. 13A

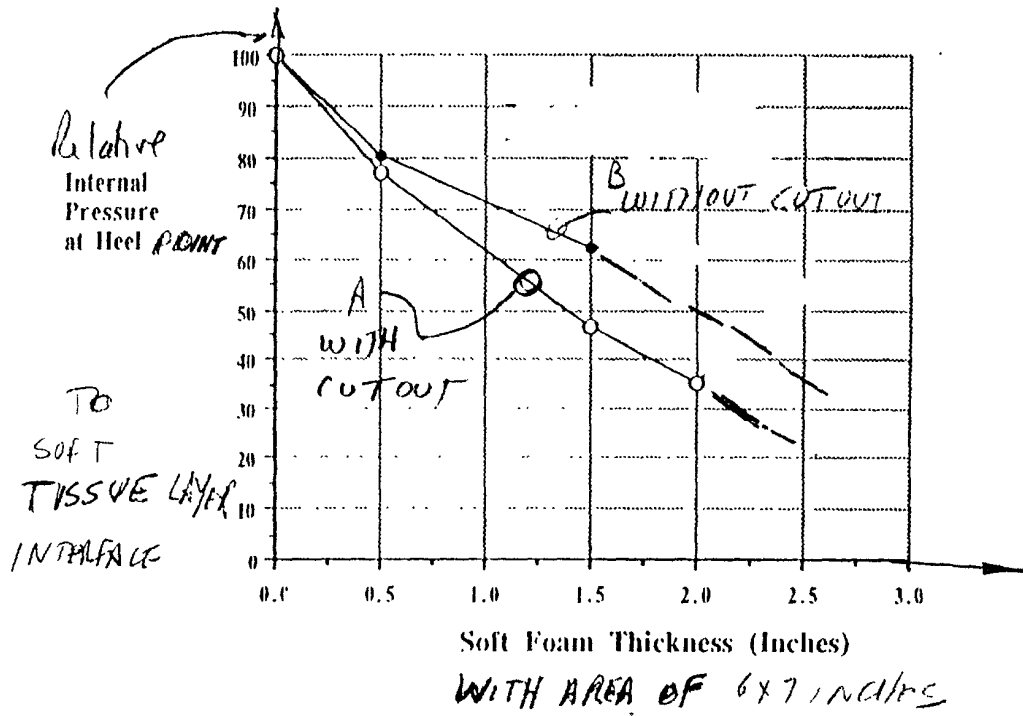


FIG 13B

FIG. 14A

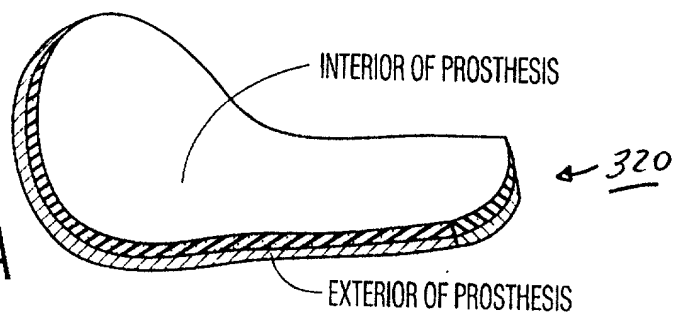


FIG. 14B

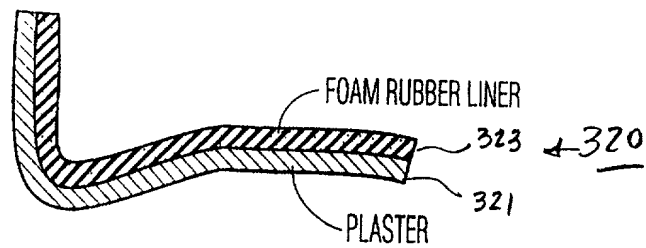


FIG. 14C

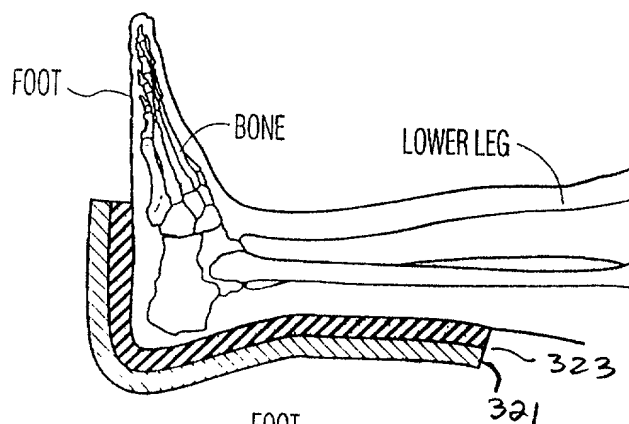
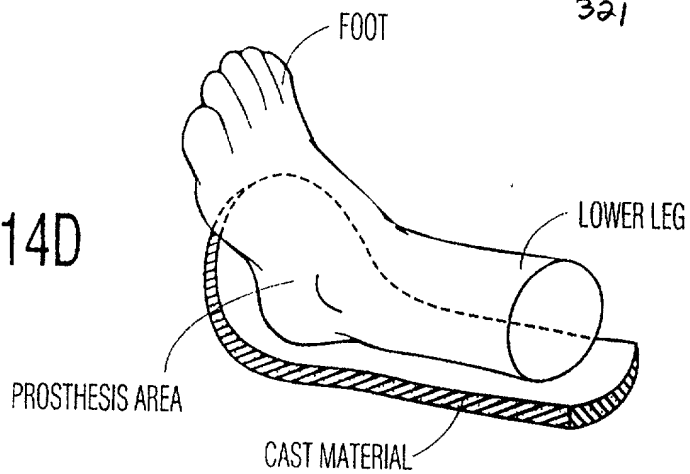


FIG. 14D



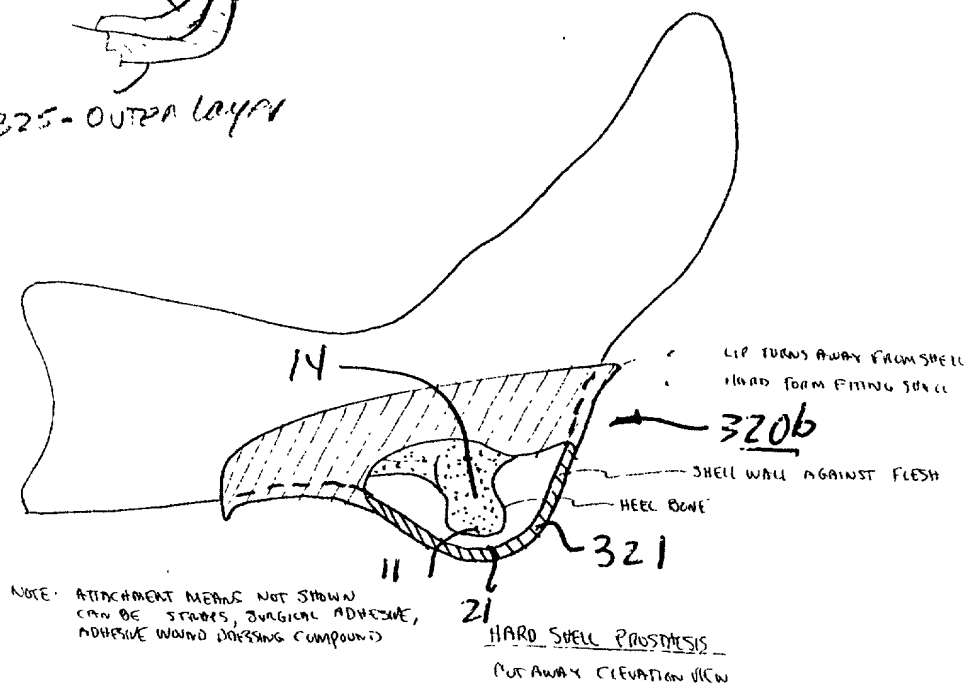
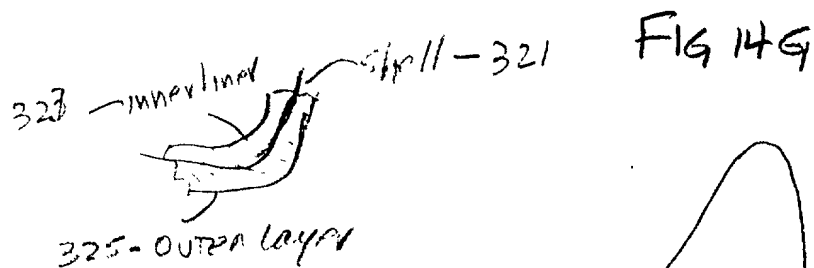
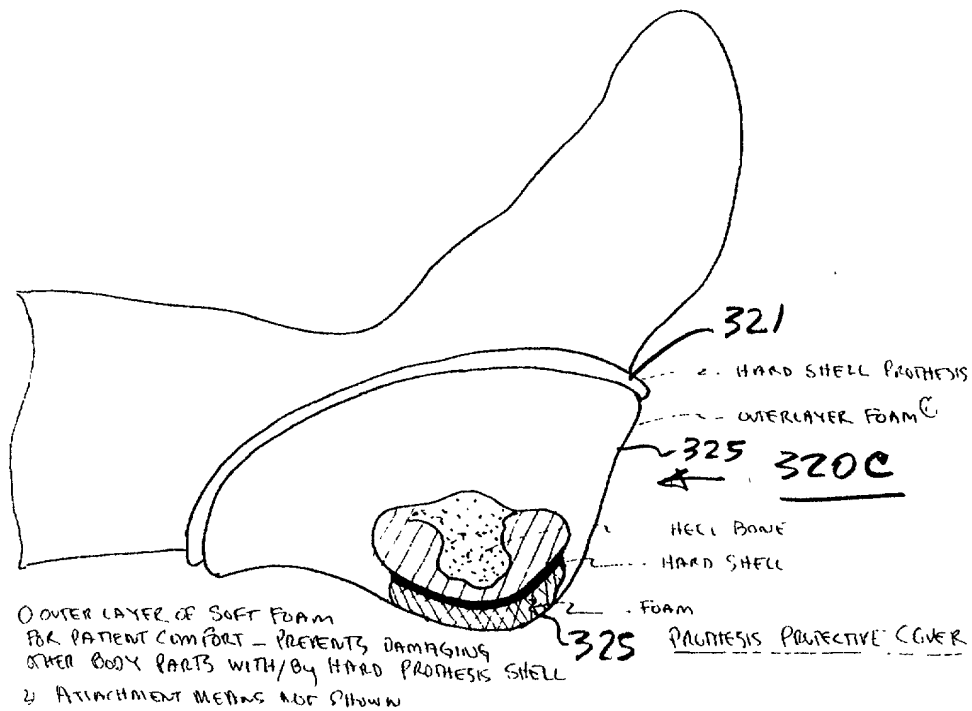


FIG 14F

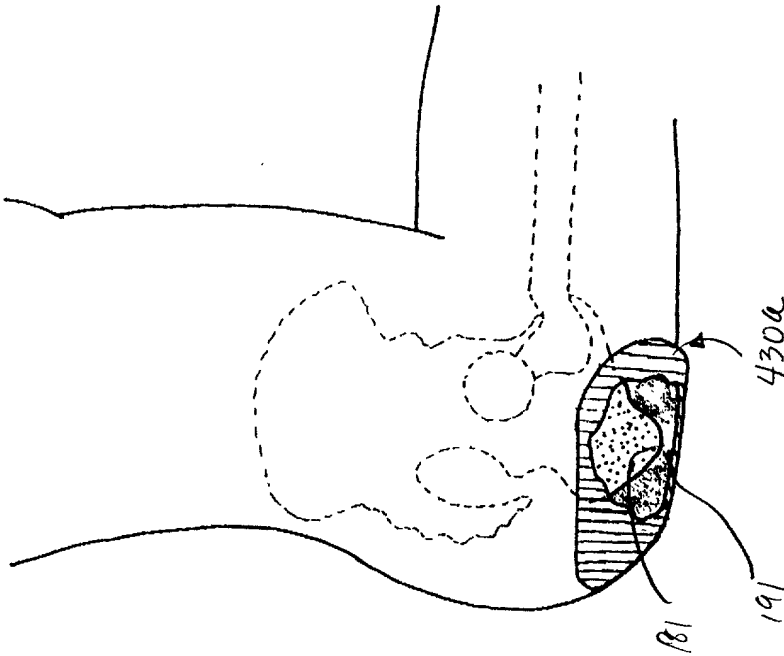


Fig 16B

ISCHIUM
 HARD PROSTHESIS
 WITH LINER

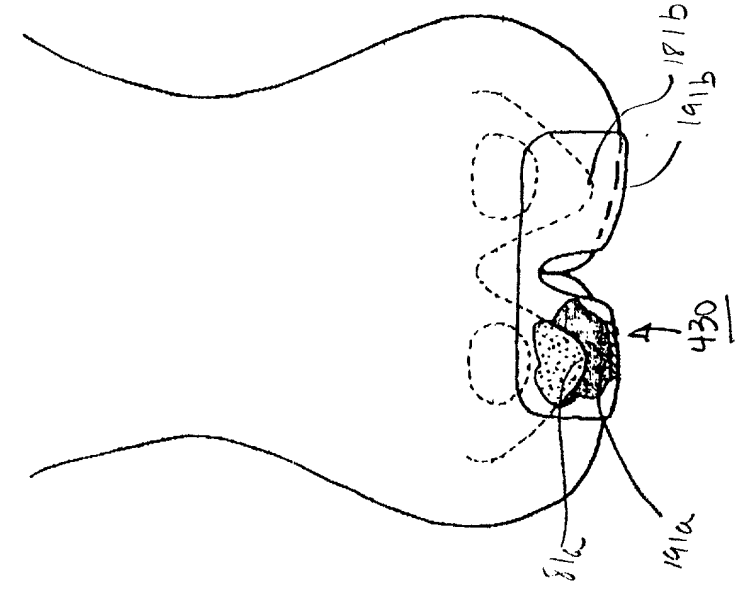


Fig 16A

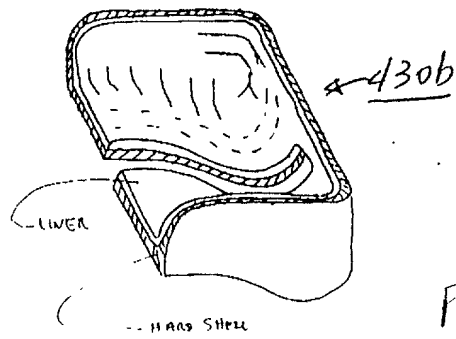


FIG 16C

ISCHIAL
HARD SHELL PROSTHESIS

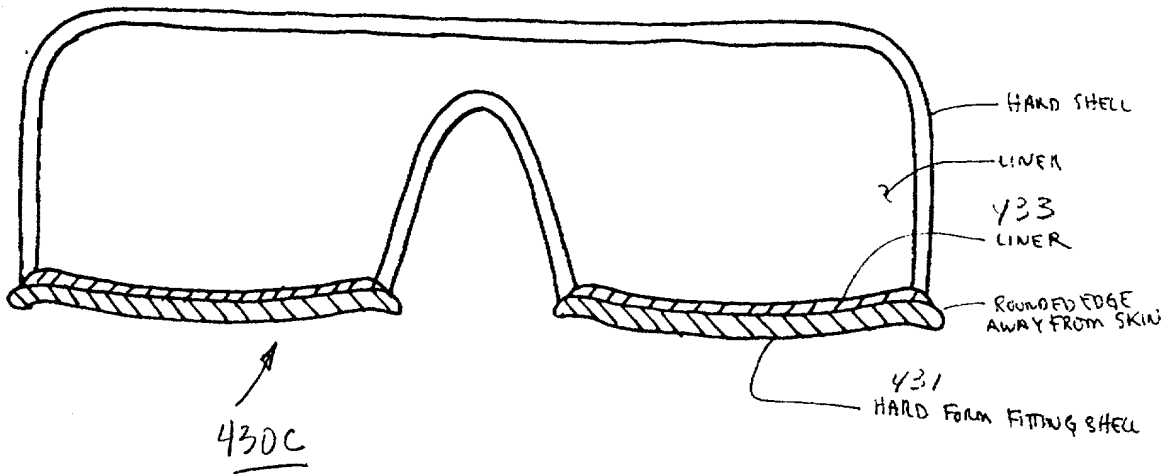


FIG 16D

PROSTHESIS DETAIL
ISCHIAL O.B. 3.18.00
HARD SHELL PROSTHESIS
WITH LINER
ANTERIOR VIEW

FIG. 17A is a schematic diagram of a coccyx with a hard shell prosthesis with a liner. The diagram shows a cross-section of the coccyx with a dashed line indicating the location of the prosthesis. The prosthesis is labeled "HARD SHELL PROSTHESIS WITH LINER".

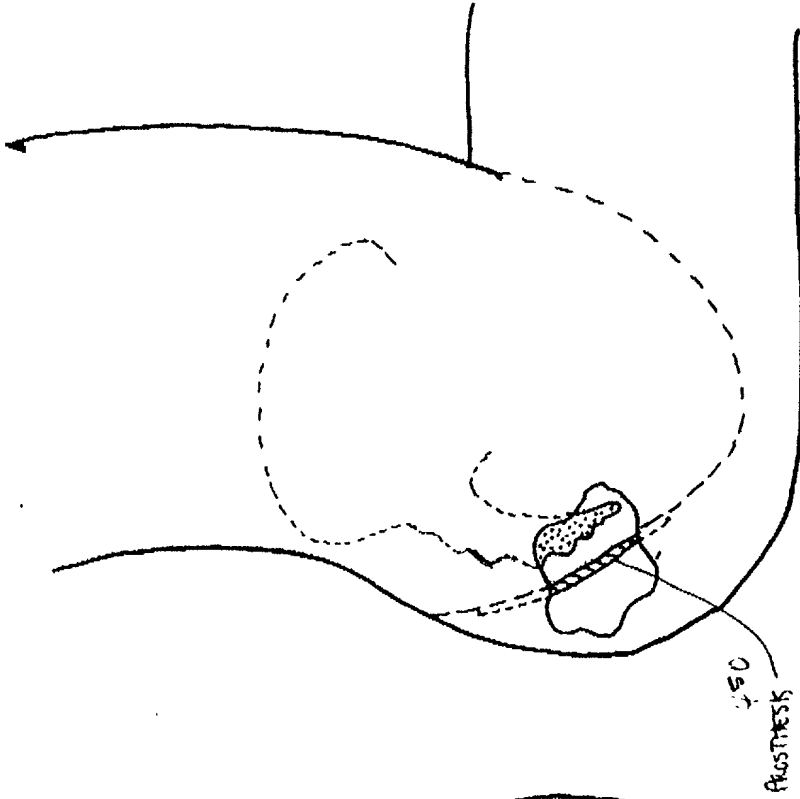


FIG. 17A

COCCYX
HARD SHELL PROSTHESIS
WITH LINER

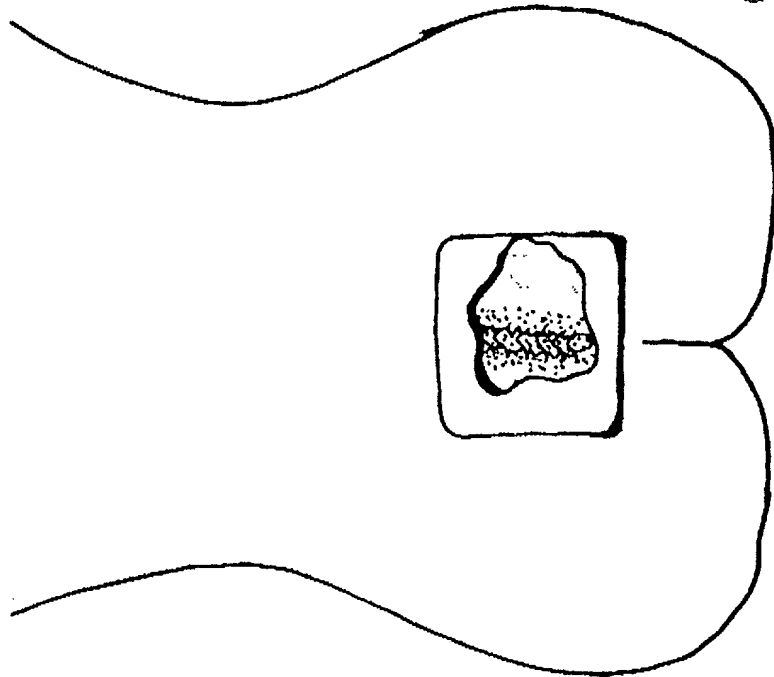


FIG. 17B

If B, P, and S are all in the same plane, the shell and liner will be in contact. If B, P, and S are not in the same plane, the shell and liner will not be in contact.

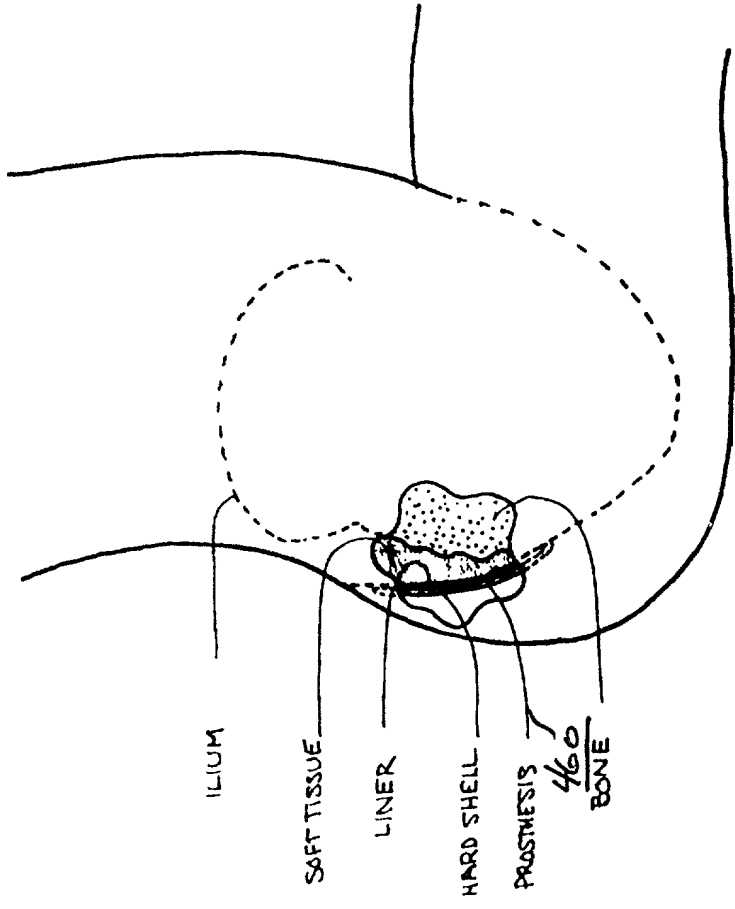


Fig 17C

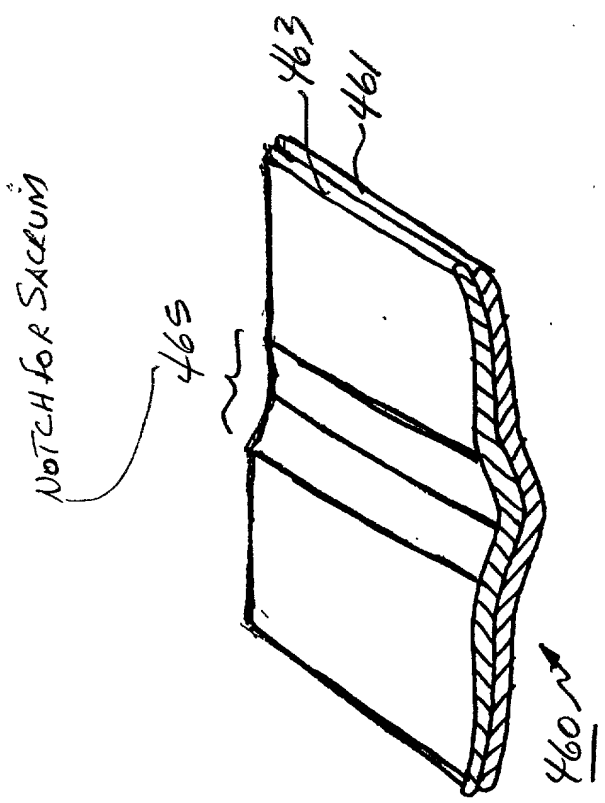


Fig 17D

SACRUM
 HARD SHELL PROSTHESIS
 WITH LINER
 CUT AWAY VIEW

FIG. 18A

FIG. 18B

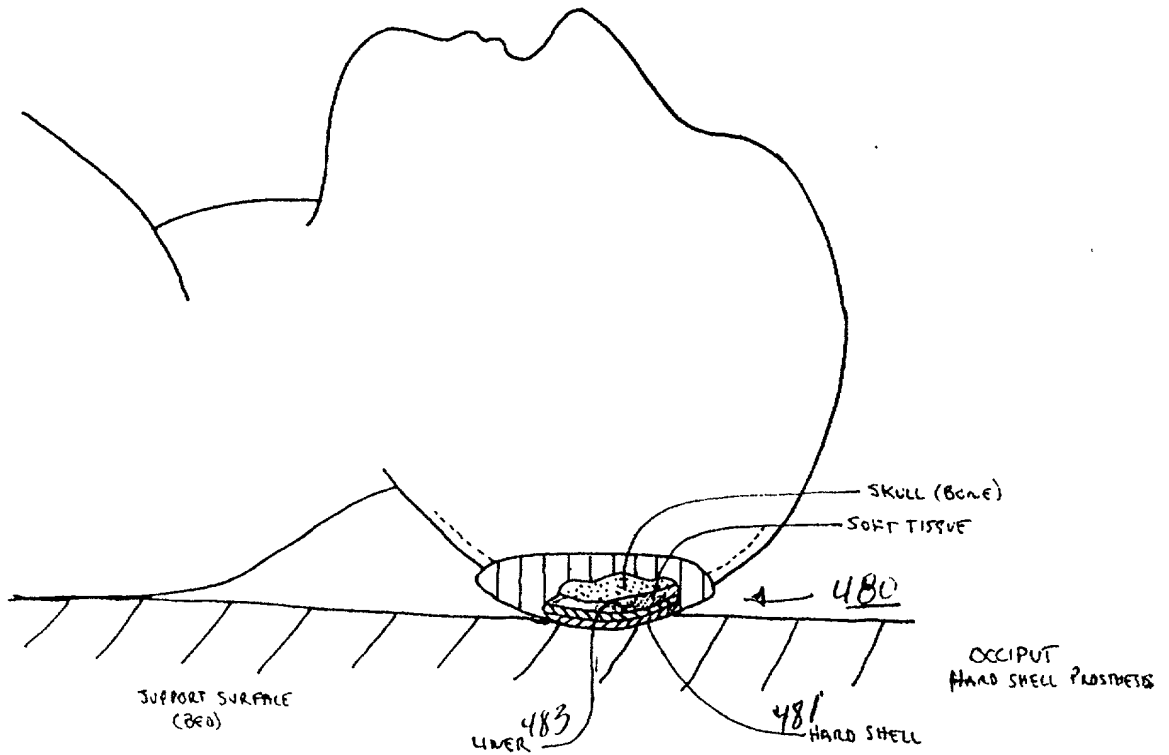
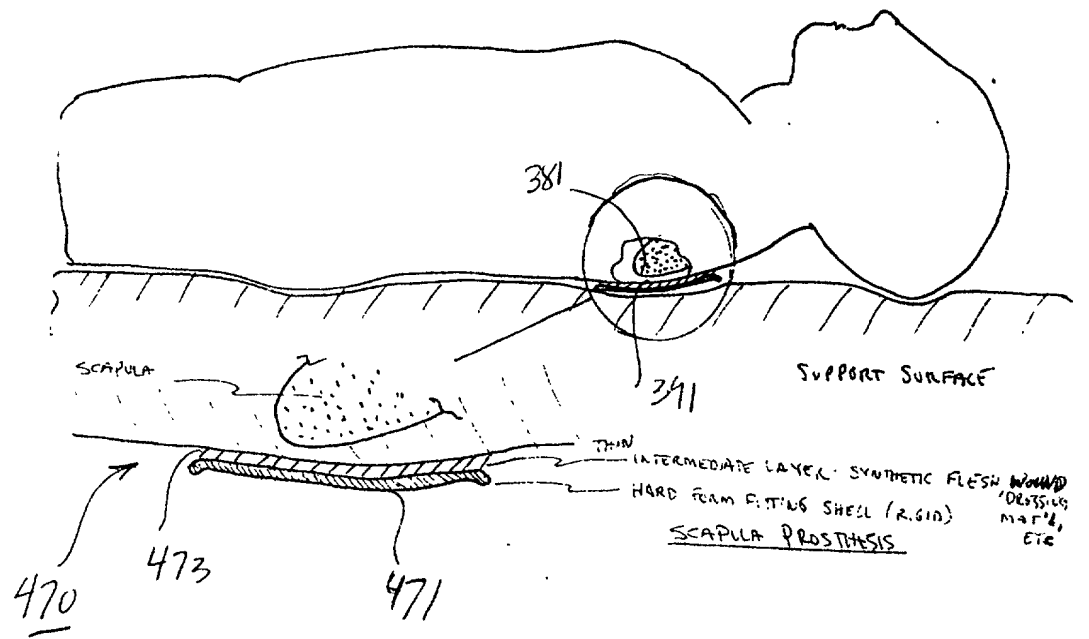
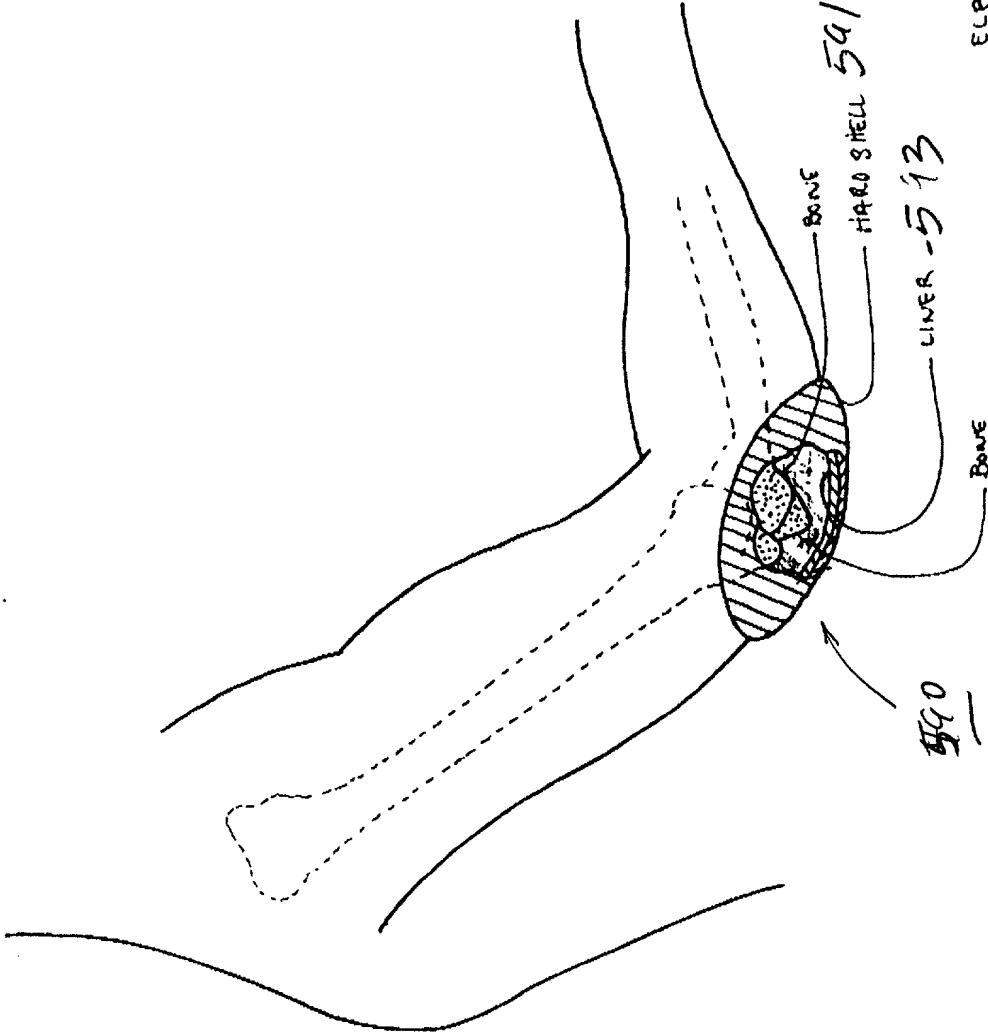


FIG. 19

FIG. 10 is a cross-sectional view of the elbow joint showing the hard shell prosthesis 541 and the liner 513. The prosthesis is shown in a cut-away view to reveal the internal structure. The liner is shown in a cut-away view to reveal the internal structure. The bone is shown in a cut-away view to reveal the internal structure.



ELBOW
HARD SHELL PROSTHESIS
WITH LINER
CUT AWAY VIEW

FIG 20

prostheses composed of materials that undergo changes during use - 1

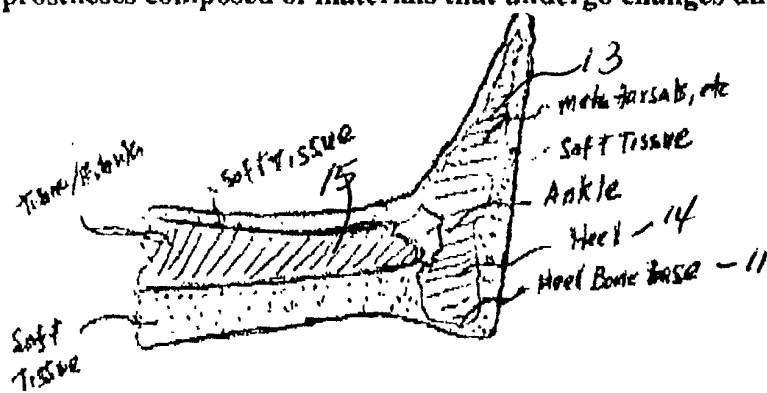


FIG. 21 A
NO PROSTHESIS

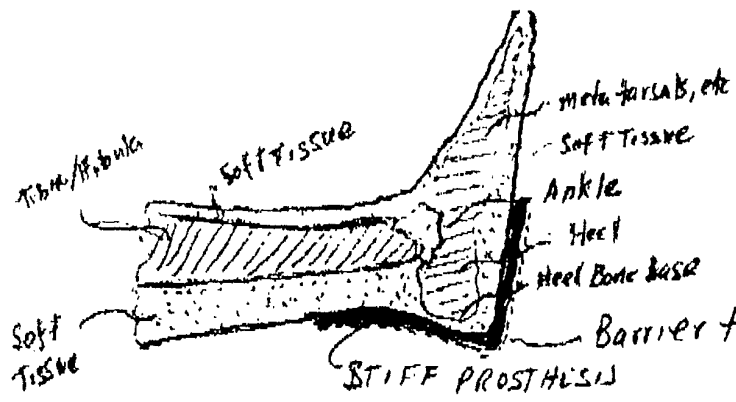
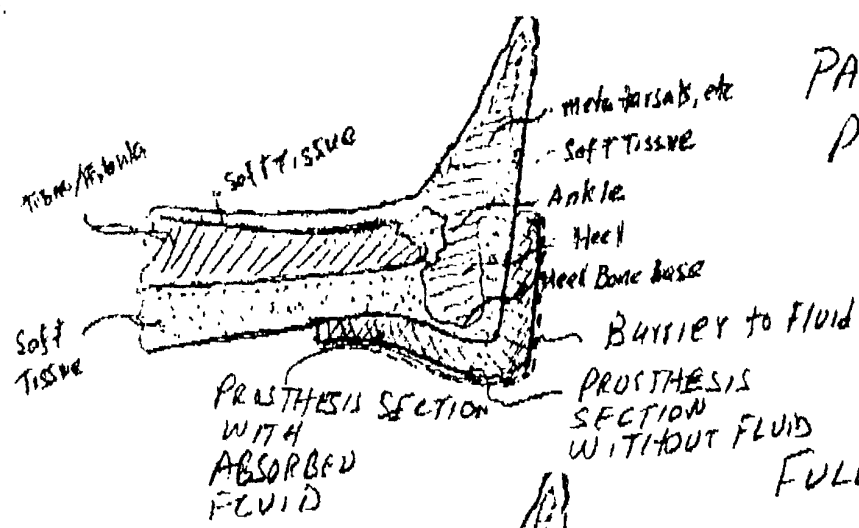
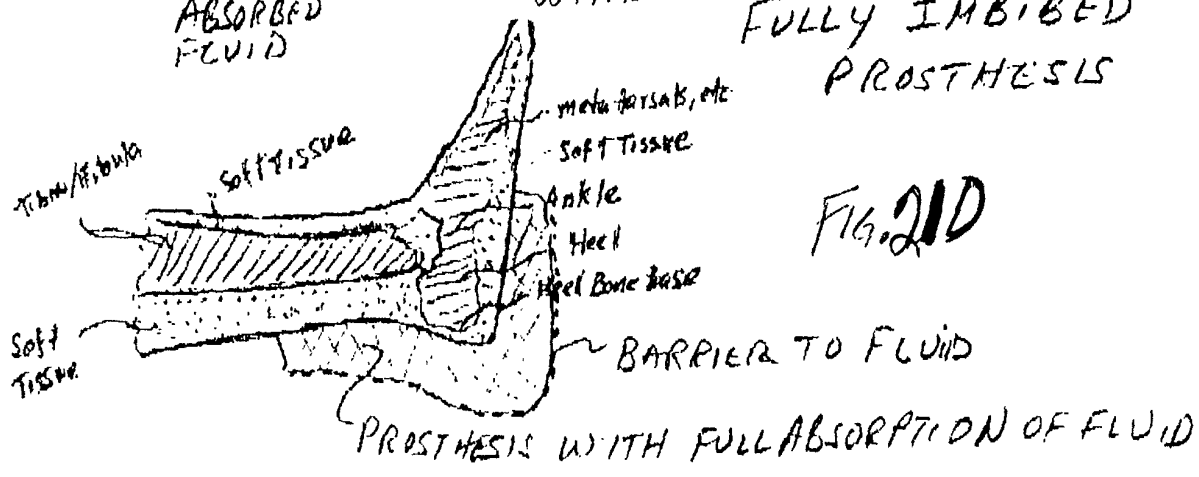


FIG. 21 B
STIFF PROSTHESIS
BEFORE
ABSORBING ANY FLUID
MOISTURE



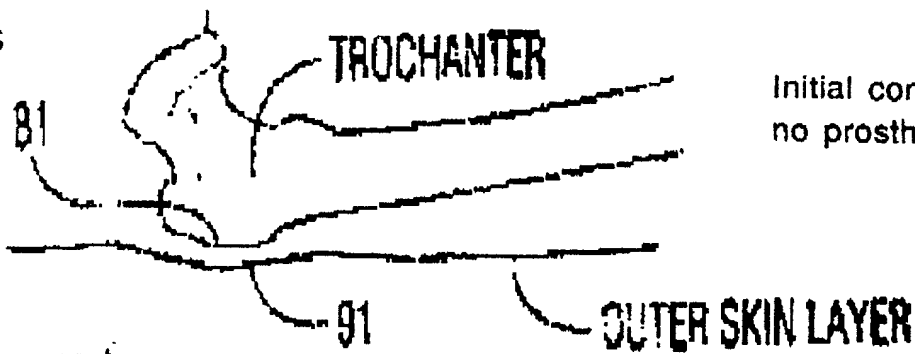
PARTIALLY IMBIBED
PROSTHESIS
FIG. 21 C



FULLY IMBIBED
PROSTHESIS

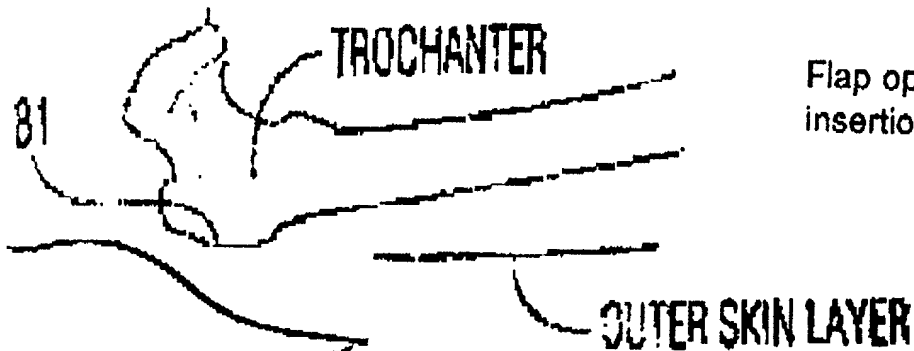
FIG. 21 D

**INTERNAL
PROSTHESIS**



Initial condition
no prosthesis

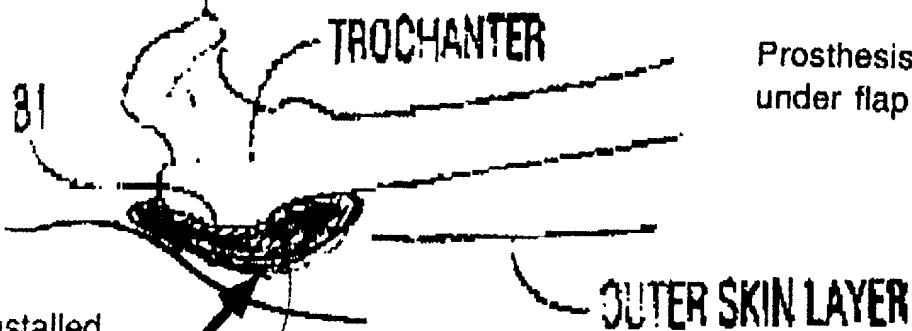
FIGURE 22A



Flap opened for
insertion of prosthesis

FIG 22B

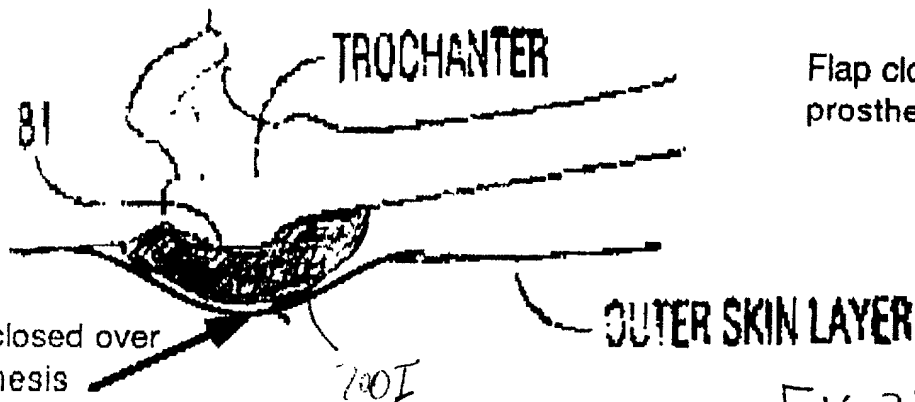
Skin flap created by cutting
and retracting skin layer



Prosthesis inserted
under flap

Prosthesis installed
between skin and
subcutaneous layers

FIG 22C



Flap closed around
prosthesis

Flap closed over
prosthesis

FIG 22D

Amputee (Above the Knee -AK)

Soft Prosthesis

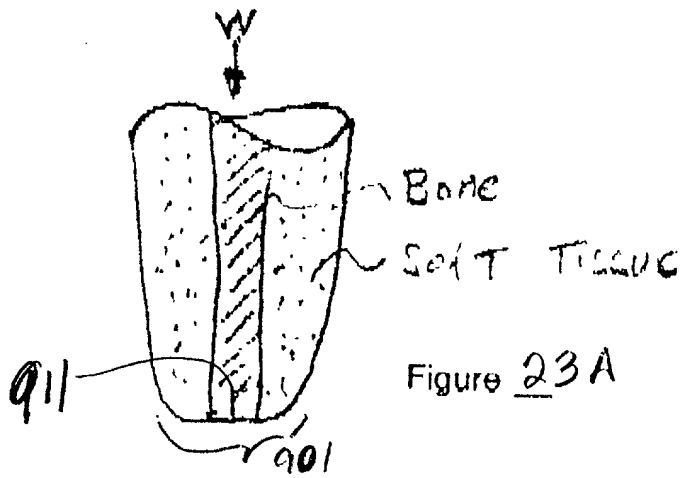


Figure 23A

Hard Prosthesis

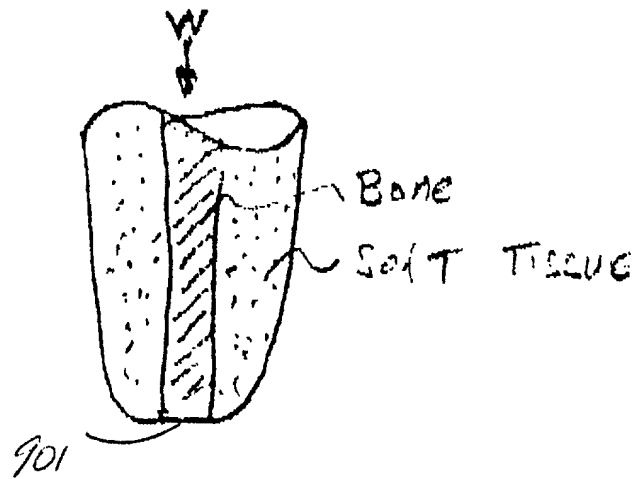
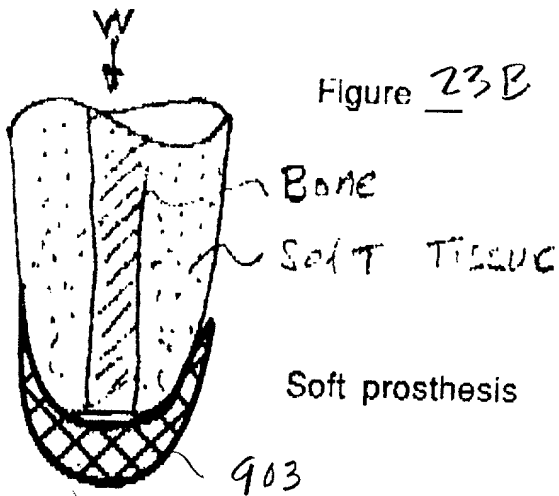
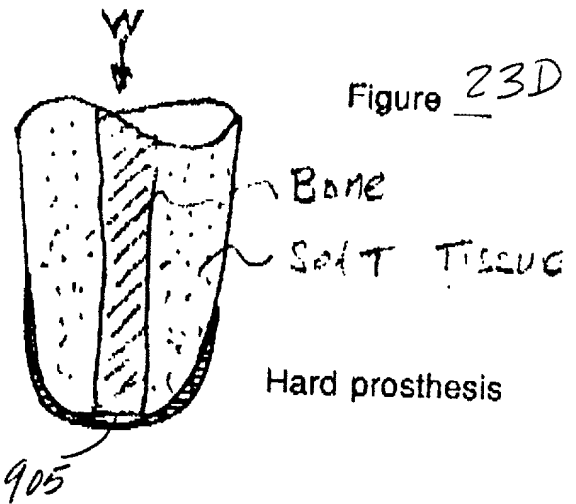


Figure 23B



Soft prosthesis

903



Hard prosthesis

905

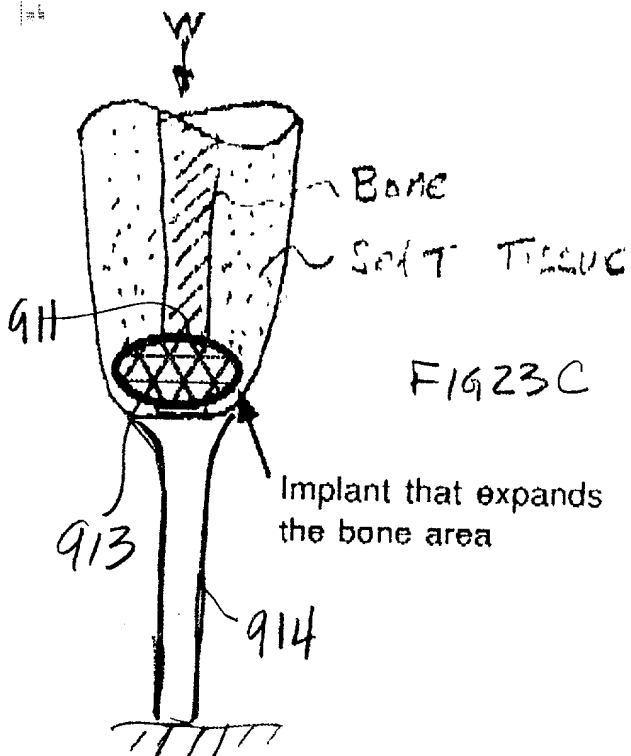


FIG 23C

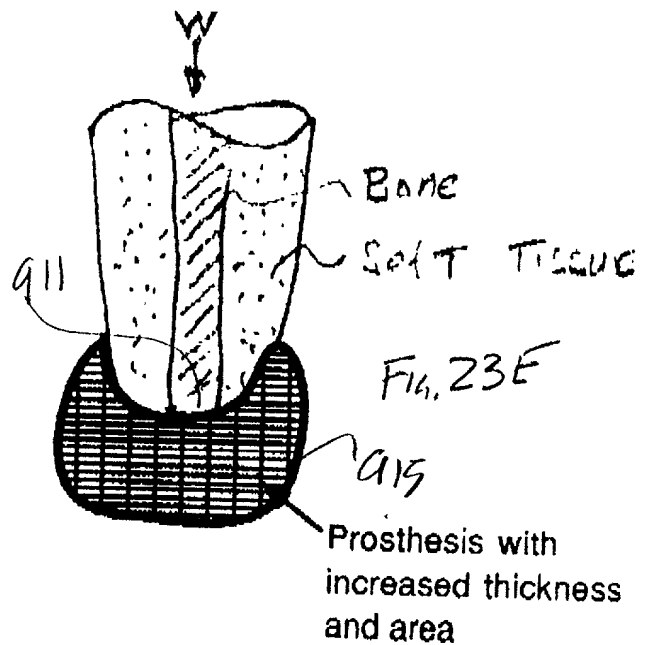


FIG. 23E

Prosthesis with increased thickness and area

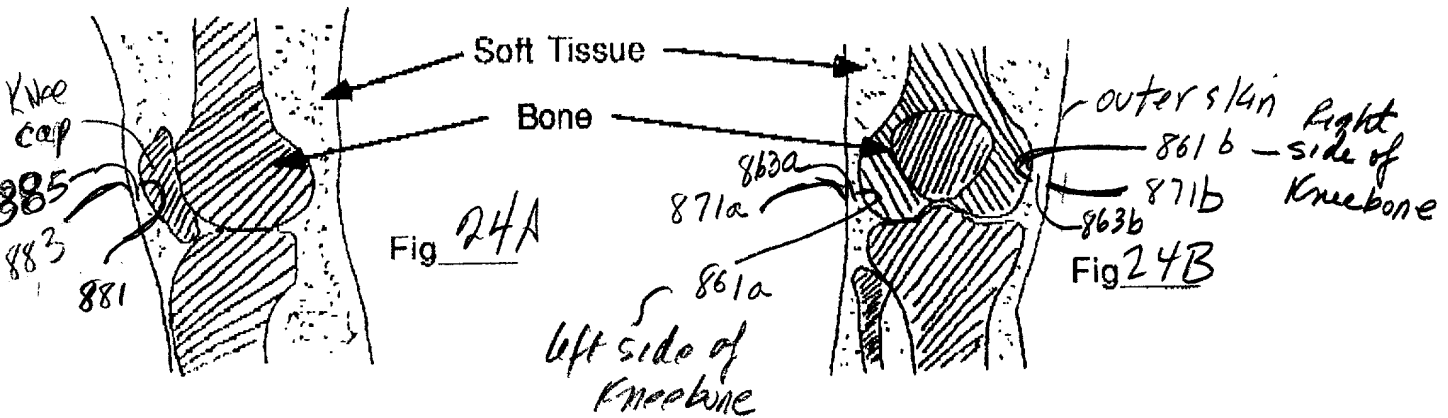
915

Knees

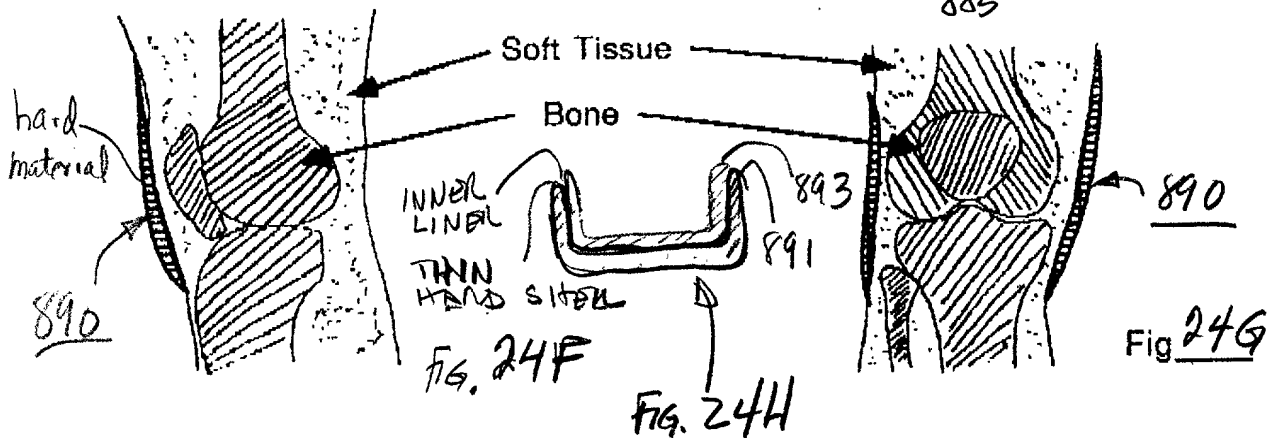
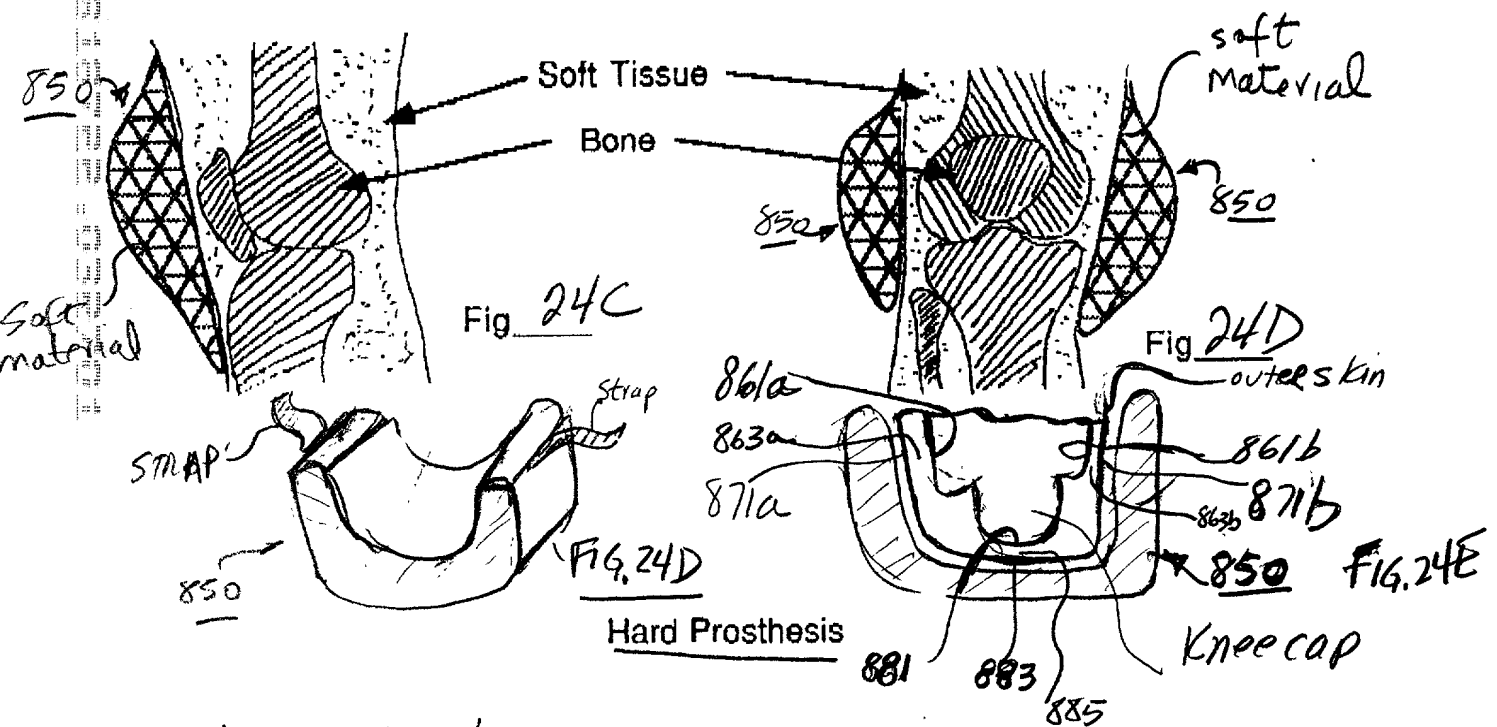
Side Views

Front Views

No Prosthesis



Soft Prosthesis



BUTTOCKS

Rear view:

Side view:

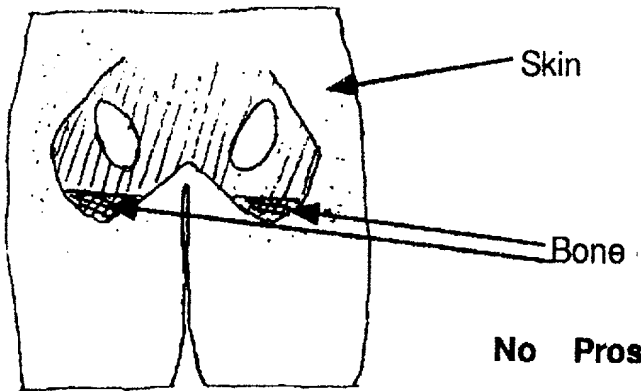


FIG 25A

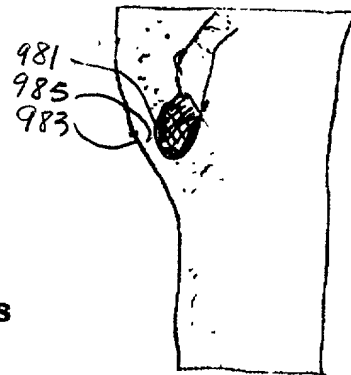


FIG 25B

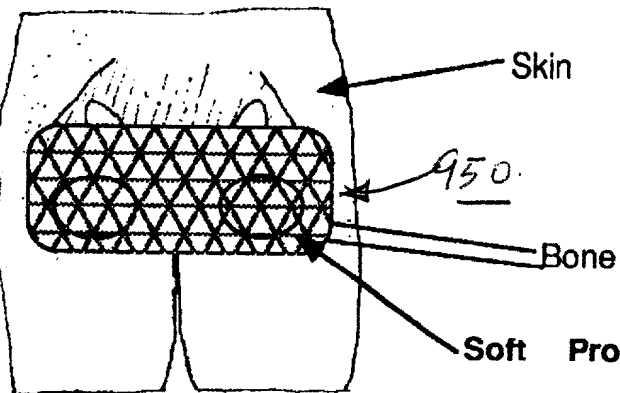


FIG 25C

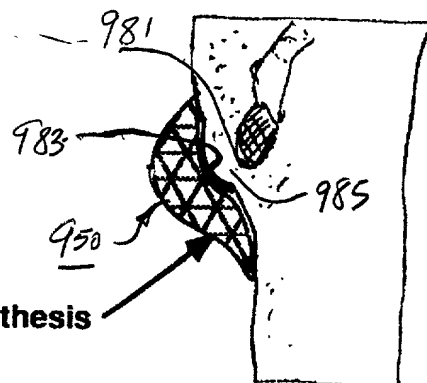


FIG 25D

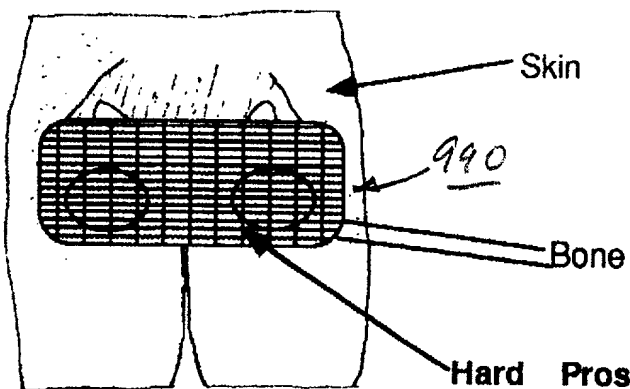


FIG. 25E

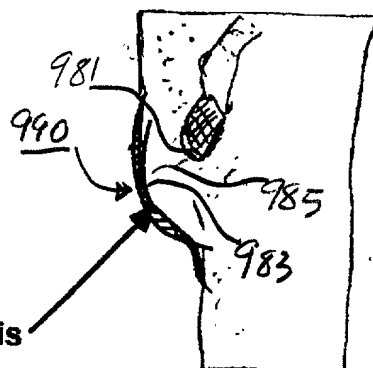


FIG. 25F

Critical Pressure vs. Exposure Time

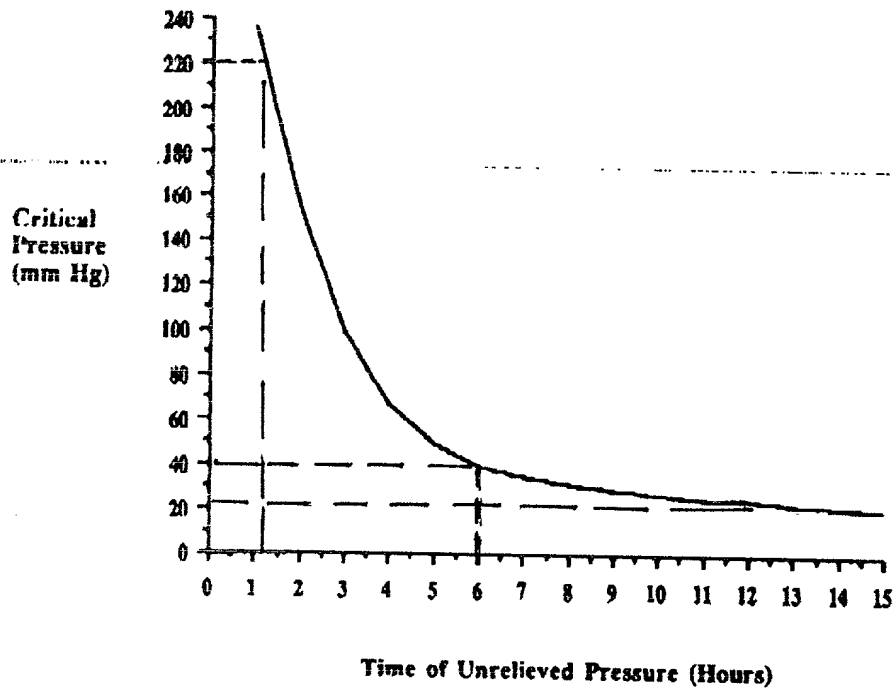


FIG. 26